



Preliminary programme

ITS Bordeaux 2015



Preliminary programme

22nd World Congress and Exhibition
on Intelligent Transport Systems and
Services

22nd ITS World Congress

Bordeaux, France

5 to 9 October

2015

TOWARDS INTELLIGENT MOBILITY

Better use of space

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Welcome letters



The European Commission is very pleased to invite you to the 22nd ITS World Congress, to be hosted by the city of Bordeaux from 5 to 9 October 2015 twenty-one years after its first edition in Paris.

Innovation and Intelligent Transport Systems play a significant role in determining our transport compositions for the future. This year's theme: 'Towards Intelligent Mobility – Better use of space', focuses on the importance of using existing transport infrastructure more intelligently.

Shifting from capacity to connectivity – achieving a cooperative, better interconnected transport system – is a priority for public authorities, including the European Commission. Improving multimodality will be a very important step in building a functional and sustainable future.

Global mobility needs are evolving. They are becoming increasingly diversified. While citizens and businesses wish to see flexible services, more representative of their needs and expectations, we must also significantly reduce the impact of the transport sector on the environment, minimising land use and substituting finite fossil fuels.

Efficient information and communication technologies can effectively reconcile the different streams. They help people move around more easily, safely and economically, in a more environmentally friendly manner. At the same time, they can provide smarter mobility, transport options as well as other benefits to Smart Cities.

Reliable information based on widely available and accessible transport data is therefore crucial in making the vision of a seamless transport system, as presented in the 2011 White Paper on Transport, become a reality.

Better modal integration also requires the selection of the right financing instruments. Both Horizon 2020, the new framework programme for supporting research and innovation, and the Connecting Europe Facility, for large-scale deployment on the TEN-T network and beyond, will co-finance projects that will help us advance towards a seamless transport system.

The topics of this Congress, such as Cooperative ITS, Multimodality, Big Data and Smart Cities perfectly match the areas in which the European Commission is currently very active, and engaged, in fruitful cooperation with the ITS Community.

The 22nd World ITS Congress will be a great opportunity for all of us to bring the vision of a seamless transport system for the benefit of society, the economy and the environment into being.

Violeta Bulc, Commissioner responsible for Transport

Günther Oettinger, Commissioner responsible for the Digital Economy and Society

Carlos Moedas, Commissioner responsible for Research, Science and Innovation





It will be a great pleasure to welcome you in Bordeaux next year, 21 years after the first ITS World Congress held in Paris in 1994.

We are preparing this Congress with representatives of industry and territories, with transport operators and research laboratories, with experts of space, communication and information society, with academics and managers of big and small enterprises. All of them have already been working for months in liaison with ITS Europe, ITS America and ITS Asia-Pacific to prepare an attractive programme to allow you to meet the most reliable experts and to help you to build intelligent mobility policies able to provide efficient services to your citizens and your visitors and to contribute actively to a better environment.

This Congress will be an exceptional occasion to participate in demonstrations of the most promising ITS applications and to exchange good practice with foreign colleagues. The large deployment of the ITS systems, which is necessary for the efficiency and sustainability of all the modes of transport, needs to be made in consistent ways in our different countries. To achieve this goal we want to help all the participants discover the latest technical innovations and help to enlarge their personal network of people they trust.

All of your ideas, proposals and experiences are very welcome in this event, whose success will also be your success. French people have a long tradition of invention, evaluation and debate about transport and mobility. Many cities and territories, and especially those hosting the Bordeaux Congress, have launched mobility plans involving a large number of stakeholders with an ever-renewable interest in the citizens. Do not hesitate to ask them about their day-to-day life and their mobility!

On behalf of the National Organising Committee and all the people preparing this major event, we can assure you, we will do our utmost to ensure you have a comfortable and friendly stay in France with numerous occasions to enjoy heritage, culture and wonderful urban and natural landscapes.

See you in Bordeaux!

Alain Vidalies

Secretary of State for Transport, Sea and Fisheries, Ministry of Ecology, Sustainable Development and Energy, France



It is with great pleasure that I welcome you to Bordeaux and, quite naturally, with a certain pride. 21 years after Paris, where the very first World Congress was held in 1994, it is now the turn of Bordeaux to host the ITS 2015 World Congress.

Our city is one of the most widely known in the world. It owes this renown to the Bordeaux vineyards, of course, to their great wines and appellations, but also to its historic role as a crossroads between different spheres of influence for over 2,000 years, in particular since the 12th century, thanks to its ties with Britain and the Netherlands. The historic centre of Bordeaux is an outstanding urban and architectural ensemble featured on the UNESCO World Heritage List since 2007.

Bordeaux has long been a region with an international dimension, one that is open to the world and has launched a variety of innovations in transportation: the roll-out of Gertrude, one of the first urban traffic regulation systems, the complete reorganisation of the bus network linked in with the introduction of a self-service bicycle hire system - VCub – plus a boat service on the Garonne - BatCub – and more recently an electric vehicle sharing service – BlueCub. In 2003, the operational launch of the three tram lines was also the driver of a genuine cultural revolution in mobility,

with the redevelopment and enhancement of the city's public spaces, backed by the introduction of a ground-level power supply system for the tram, a world first that has been widely exported around the world since then. In 2017, with the completion of the high-speed rail line, Bordeaux will be a key hub on the rail network, with a fully-renovated station just 2 hours from Paris. In 2018, a new bridge over the Garonne River, in addition to the one built in 2013, will bring the two banks of the river even closer together. Finally, the work to widen the ring road on the left bank to three lanes in each direction should be completed by 2020-2022.

Large-scale projects are also underway to boost the city and create jobs, representing exceptional amounts of public and private investment in coming years.

Our city must keep pace with the times by being an ambitious and innovative metropolis at the service of its citizens, yet with its sights set on Europe and the world. To achieve this, the Bordeaux Metropolis must provide easily-accessible, smoother-running, smarter mobility. This ambition implies restricting the use of cars in the city centre, pushing ahead with the development of urban transport of the highest standard and

rethinking the way we move around the city to make sure that this mobility is sustainable.

To make our metropolitan area more attractive, we must achieve more seamless mobility, including digital mobility. Our objective is to support the multi-faceted development of digital technologies and their uses, and to place them at the service of the local territory and its power of attraction, of its users, businesses and quality of life. The metropolitan area of Bordeaux therefore plans to be at the forefront of the French Tech initiative, to boost the digital transition of our economy and support the emergence of “technological champions”.

The ITS World Congress is an event of prime importance to Bordeaux. It is the opportunity to harmonise our mobility policy with the digital revolution. The aim is to enhance modal shift, in particular via applications enriched with public mobility data, and to develop high-quality services for users in order to encourage them to change their mobility habits and behaviour.

The ITS sector can also be a driver for local expertise and business. We must boost the development

of this new industry by fostering excellence and economic growth, promoting local know-how and innovation, supporting businesses and stimulating the creation of companies in the sector.

This Congress will provide an ideal opportunity to share our experience with that of other regions all over the world. I hope that all the participants will be able to make the most of their stay in Bordeaux, to discover or rediscover the city and its metropolitan area, its heritage, talent and culture, to savour some of the wine and food that have built its reputation and, of course, to make use of its transport system.

Alain Juppé

President of Bordeaux Metropolis,
Mayor of Bordeaux



Aquitaine is proud to host the ITS World Congress 2015.

Our region is a land of contrast, boasting an outstanding natural and cultural heritage that is recognised and acknowledged the world over.

Thanks to the appeal of its preserved coastline, the diversity of its landscapes, the wealth of its architecture and the reputation of its gastronomy, Aquitaine is indeed a region that offers a remarkable quality of life.

Aware of these assets, Aquitaine is first and foremost a region which looks resolutely to the future, placing research, innovation, economic development and employment at the heart of its preoccupations so that we may rise to the societal and environmental challenges that face us.

Hence, transport and travel are key concerns. The complexity of issues to be solved and the pre-emption of future needs are major challenges for public authorities as transportation provides powerful leverage for the competitiveness and the renewal of a region.

Our region has already demonstrated its pioneering abilities in this field via numerous ground-breaking projects: traffic control system, ground-powered tram system, vertical-lift bridge, electric charging station, multimodal freight tracking ICT platform, etc.

Hence, a work-generating sector dedicated to intelligent transport systems and services has begun to emerge in Aquitaine.

Some noteworthy projects are becoming reality: in 2017, a high speed train line (LGV = ligne à

grande vitesse) will place Bordeaux just 2 hours away from Paris. The new proximity between these two urban areas will be an advantage for our region’s development, making it even more attractive. EURATLANTIQUE is a programme of national interest which will make Bordeaux and Aquitaine a hub of exchange and European mobility. In April 2014, work began to gradually equip the rolling stock of the regional “TER Aquitaine” network with 46 new carriages specially designed for daily travel. This work, which will continue until 2016, represents an investment of 400 million Euros.

The ITS World Congress 2015 should help to speed up the implementation of new services to the benefit of users, thanks to the enormous potential of new technologies in which Aquitaine is expert – space applications, driverless vehicles, cooperative systems, transport on demand, etc. – and I believe it is possible to design and create new types of vehicles, locally.

I will be delighted to welcome to Bordeaux in 2015, the entrepreneurs, researchers and decision-makers of the transport world and from all nations and, with them, to amplify this movement and invent the solutions of tomorrow.

Alain Rousset

Chairman of the Aquitaine Regional Council



Gironde County Council is very pleased to host the 22nd World Congress on Intelligent Transport Systems. I am personally very happy to welcome you in Gironde.

Gironde is one of the most attractive and dynamic counties in France. As Gironde is France's largest county, how space is used and managed becomes a real topic, including the development of cities, a growing population, and the protection of Nature. This brings the Gironde County Council face to face with challenging issues in several fields such as social development, urbanization, mobility...

The stake in Gironde for tomorrow is to succeed at combining three main issues: improving green and eco-friendly transport and travel solutions, gain ground to make our roads more and more secure, and permit all citizens, without any social segregation, to move wherever they need to.

The World Congress is a great opportunity for every one of us to share and receive all the progressive ideas everyone can bring about ITS. It is as well a great moment to debate and make new projects come alive in this endless developing sphere. We will have the occasion to boost links all over the world between research, industries, politics, and citizens.

I wish you a very pleasant stay in Bordeaux. I hope you will enjoy your time here, and that you will be enthralled by what charms Gironde will offer you: landscapes and nature, gastronomy and wine, architecture, culture, and heritage. I hope that Gironde will have contributed for a small part in the success this World congress will be!

Jean-Luc Gleyze

President of Gironde County Council, France



On behalf of the ERTICO – ITS Europe Partnership, I am pleased to invite you to participate in the 22nd World ITS Congress to be held in Bordeaux. A Congress which will combine thought, leadership, market orientation, hospitality and outstanding facilities to achieve an unforgettable event.

The Congress has the theme of 'Towards Intelligent Mobility – Better use of space' and will focus on seven main topics – Space Technologies and Services, Cooperative ITS, Multimodality, Smart Cities, Sustainable Mobility, Automation and Big Data – Open Data. Bordeaux is the largest urban complex registered as a UNESCO World Heritage Site. It has 40 years of innovative work in ITS, a modern and highly sustainable public transport network and one of the earliest centralised traffic regulation systems in the world. In addition, the Aquitaine Region is globally recognised as a leader

in aeronautics, space and embedded systems.

Congresses provide the perfect opportunity for the ITS Community to come together, exchange ideas and profit from new business opportunities as well as seeing the latest in new technologies. With its expertise and experience in ITS, Bordeaux promises to provide many such opportunities and is ideally placed to host the World ITS Congress.

I look forward to meeting you in Bordeaux in 2015 and to sharing in the exciting programme planned for this event.

Jean Mesqui

Chairman Supervisory Board, ERTICO – ITS Europe



On behalf of ITS Asia-Pacific, it's my great pleasure to invite you to the 22nd ITS World Congress in Bordeaux, France.

Safe and efficient transportation supported by Intelligent Transport Systems is a very basic foundation on which our society and daily lives run. Furthermore, innovations in technologies and social systems accelerated by ITS deployment are pointing towards the viable direction to tackle transportation challenges and to enhance mobility for economic growth and well-being, even under strong pressure on funding sources and environmental sustainability.

Recently, ITS big data and automated driving have been identified as the most important areas to be exploited and pushed forward for deployment to dramatically change transportation systems. Those

areas involve renovation of legal framework and integrated efforts across the jurisdiction, which will create innovative business opportunities for a new generation of professionals.

The ITS World Congress in Bordeaux is where we find the right experts on a variety of issues. Policies, technologies, institutional issues, human factors and international collaboration are all covered with supporting facts and experiences.

I'm looking forward to seeing you in Bordeaux.

Hajime Amano

Secretary General, ITS Asia-Pacific



On behalf of ITS America, I am very pleased to invite you to join us in Bordeaux for the 22nd ITS World Congress.

The World Congress was first held in Paris in 1994. As it returns to France 21 years later, the advances and innovations in the transportation technology industry are nothing short of mind-blowing. The systems and ideas we were once discussing only in theory have been researched, developed, and deployed. As we focus on the future, I am delighted to continue working with our international colleagues to accelerate the spread of intelligent transportation systems worldwide.

Building on the wonderful experiences in Detroit, discussions will continue in Bordeaux on rethinking the way we move in the modern world. The theme "Toward Intelligent Mobility" encourages all of us to reassess not only how we as individuals use transportation, but also how we can develop new systems and technologies that will increase connectivity, safety, efficiency, and sustainability.

We have a unique opportunity at these World Congresses to assemble the leading experts from around the globe to exchange ideas and share knowledge. My colleagues have been hard at work to ensure a robust and insightful conversation will take place in the beautiful setting Bordeaux offers us, and I very much look forward to seeing you there!

James Barbaresso

Organising Committee Chair, ITS World Congress Detroit, 2014, Vice President, Intelligent Transportation Systems, USA



The Event



Twenty one years after its creation and its first edition in Paris, the ITS World Congress returns to France and in the prestigious city of Bordeaux. It is a unique opportunity to showcase France's value, its inhabitants, its competencies, its products and services. Since its creation, the ITS Congress has grown phenomenally; we now expect more than 3,500 Congress delegates, 300 exhibitors present on 25,000 m² of exhibition area and 10,000 visitors coming from more than 100 countries to gather and exchange, debate, build networks of partnerships during the Congress, to attend more than 20 live demonstrations and to participate in the technical visits.

These impressive figures are the result of the strong and continuous support of three regional associations, the European Commission, national and regional local authorities, all National ITS Associations around the world and of course all the companies and organisations participating.

In the context of Bordeaux, we would like to thank the French Ministry of Transport, the City of Bordeaux, Bordeaux Metropolis, the Departmental Council of the Gironde and the Aquitaine Region, for their strong support.



As the theme of this 22nd Congress, we have chosen: 'TOWARDS INTELLIGENT MOBILITY – Better use of space' and we will organise more than 200 sessions, allowing more than 1,000 experts to enrich all participants with the latest in ITS knowledge.

We are also building a social programme in line with France's renowned hospitable reputation to enjoy all areas of interest in and around Bordeaux, its region, products and services.

Looking forward to seeing you in Bordeaux,

Florence Ghiron

President of the Bordeaux Host Organising Committee

André Reix

Director of the Bordeaux Host Organising Committee

Bernard Basset

President of ATEC-ITS France

Didier Gorteman

Director of Congresses ERTICO - ITS EUROPE



Congress Format

PL Plenary Sessions

All attendees are welcome to join the Opening and Closing Ceremonies and Plenary Sessions in which major personalities from today's world of ITS will present their personal views on key ITS issues.

ES Executive Sessions

In these sessions a range of senior experts including high-level industry executives, public officials and academics will draw from their experiences to discuss key topical policies, problems and issues. As well as reviewing current challenges and achievements, these Sessions provide an exciting opportunity to learn about future ITS initiatives.

HLTS High-Level Technology Summits

The Technology Summits are aimed at Chief Technology or Information Officers, Directors of Innovation etc and represent an opportunity to hear a global range of experts present the arguments for and against contentious technology questions and their views on mobility trends.

SIS Special Interest Sessions

Prepared at the request of organisations or groups of experts developing and deploying ITS, these interactive, tailor-made meetings create an opportunity to explore specific topics in greater detail than a conventional paper session to offer fresh perspectives and insight.

TP/SP Technical/Scientific Sessions

These sessions are composed of presentations by international experts on varying ITS related topics encompassing all technical, scientific, economic, organisational and societal aspects of ITS. They aim to encourage and enable the exchange of information on deployment ranging from improving the operational use of systems and services on the one hand to research and development in support of new applications on the other.

SW Stakeholder Workshops

Because the Congresses attract delegates from around the world the practice has developed of organising open informal sessions ("Workshops") at which new or contentious issues can be extensively discussed by anyone with an interest in that topic ("Stakeholders").

IBEC International Benefits, Evaluation, and Costs Sessions

IBEC sessions, led by the IBEC Working Group, provide an international forum for information exchange on ITS best practices.

FS French Sessions

The French Sessions will focus on ITS deployment in France and they will be conducted in French. These sessions are coordinated by ATEC ITS France.

Sessions in the Exhibition area

GPS General Public Sessions

The General Public Sessions will be interactive discussions about three different subjects with the aim of explaining the key issues involved for a non-technical audience. They are open to all with the chance to ask questions.

IS Interactive Sessions

Interactive Sessions have proved to be very popular for facilitating information exchange on contentious subjects where the extra contact time and debate format permit vigorous examination of all aspects of a topic. Papers selected for an Interactive Session will be organised in a two stage, workshop-style format with an extended time frame to enable presenters to reach and exchange with appropriate audiences of interested delegates.

The first stage is similar to a regular presentation session where technical or scientific papers covering the same subjects or processes are grouped together in order to facilitate discussion on that topic. There will normally be 7/8 presentations in each session with a maximum of 3 slides for each speaker with no time for questions and answers. This stage is intended to give the audience just a flavour of what the authors have to present. The second stage immediately follows the presentations. This is an opportunity for extended discussions between speakers and the audience in the form of group debates or one-to-one exchanges. Each speaker will have a screen available to show additional material. Interactive Sessions take place in a dedicated area in the Exhibition to encourage contact between paper authors and exhibitors.

CP Commercial Paper Sessions

These are presentations of Technical or/and Scientific Papers judged by reviewers and the International Programme Committee to be near-market rather than pre-market, or where authors have specifically requested the specialised Theatre venue in the Exhibition. Commercial Papers describe an activity aimed at generating or improving a specific product, device or idea for the market. Papers will be assembled around similar themes and presented in groups with a moderator.

II Special Interest Sessions in the Industry Insight Stream

These are Special Interest Sessions with a particularly strong commercial or deployment flavour. SISs are tailor-made meetings designed to create an opportunity to explore specific topics in greater detail than a conventional paper session and so offer fresh perspectives and insight. The sessions should follow an interactive debate/discussion format with full audience engagement rather than the old-style series of PowerPoint presentations. Sessions have been reviewed and accepted by the International Programme Committee.

PR Project Dissemination

These are Special Interest Session proposals which the International Programme Committee considered had significant emphasis on presentation of results from one or more important projects.

CS Commercial Presentation Sessions

Commercial Presentations Sessions are an opportunity for Exhibitors and Sponsors to provide you with more information about their commercial products and services. For more information and conditions please contact Benoit Augarde at benoit.augarde@mail.ertico.com

Session Topics

Topic: 1. Space Technologies and Services for ITS

PL2	Space for intelligent mobility	TS38	GNSS in constrained environments
ES Host 1	Space and ITS Services	TS47	Real world challenges and opportunities
SIS01	GNSS service quality supporting ITS deployment	TS53	Improved positioning using data fusion
SIS09	Innovation using geospatial data and the Internet of Things	TS71	Improving the resilience of communications
SIS17	Satellite positioning enabling new RUC services	II02	GNSS to develop new ITS services and applications
SIS39	Space and ITS services	PR17	Demonstration of European GNSS added value in ITS
TS04	Applications exploiting improved accuracy	CP07	Services for commercial vehicles
TS28	Real-time positioning applications		

Topic: 2. Cooperative ITS Deployment Challenges

ES03	A Safe and Reliable Society through Cooperative ITS	TS20	Safety systems 3
ES05	Getting the Pay-off from Connectivity	TS24	Traffic and traffic incident management
SIS02	Digital Infrastructure 2.0: Data Collection, Processing and Communications for Future Automated and Connected Vehicles	TS29	C-ITS deployment issues 2
SIS05	Autonomous driving intelligence for elderly drivers	TS30	Infrastructure improvements and deployment
SIS07-G	International harmonisation of C-ITS security policy	TS31	Pilot projects for ITS
SIS10	Needs, wishes, restraints of the urban and intercity bus- and coachsector	TS39	C-ITS deployment issues 3
SIS13	C-ITS for traffic accident avoidance	TS40	Testing and measurement of applications
SIS18	Wireless telecommunications technologies	TS48	Driver Behaviour
SIS21	Elderly driver: how can they drive longer and safer?	TS54	Flow management and modelling
SIS27-G	Enabling interaction between traffic management and mobility services	TS56	Business cases and cost-benefit
SIS15-G	The new PIARC ITS web resource-a dynamic tool for policy-makers, practitioners & students	TS62	C-ITS communication technologies 2
SIS30	Connecting the pieces for a "connected vehicle" future	TS64	C-ITS: simulation
SIS33	Advanced Technologies for Operation and Maintenance of ITS Facilities	TS72	C-ITS communication technologies 3
SIS36	First hand field experiences from Compass4D C-ITS Pilot	TS78	C-ITS communication technologies 4
SIS40	Global deployment of C-ITS: state of play	TS85	Cooperation and interoperability
SIS42	Roadmaps and Challenges in Cooperative ITS Deployment	TS91	Navigation, routing and mapping
SIS44	Smarter ITS: have we included all modes and improved mobility?	TS97	ITS applications and architecture
SIS48	My cloud, your cloud, our clouds	II01	The future of interactive 3d simulation & modeling technology
SIS51	Traffic signal control systems for 4th generation	II04	Traffic & Traveller Information: TPEG – new targets, actors and deployment scenarios
SIS52	Training and education in ITS	PR02	Innovation procurement: challenge and opportunity for ITS deployment
SIS53	Connected/smart cities promote smart mobility	PR03	Cooperative ITS – roll out is underway!
SIS56	Game mechanics: serious games and ict simulation as tools for competitive ITS	PR04	Deployment of cooperative ITS in the C-ITS Corridor – mastering the challenges
SIS59	The development and application of the etc and erp technology and their big data	PR05	Future solutions of cooperative ITS - challenges and opportunities.
SIS62	Ensuring global impact and legal value for the certification of c-its systems and services	PR06	E-call advancement in Europe
SIS65	Cooperative systems – stakeholder contribution and cooperation	PR07	Traffic management with cooperative detection
SIS67	Dynamic map "beyond the local dynamic map"	PR15	Cooperative business models for freights in the cities
TS05	Safety systems 1	IS01	C-ITS communication technologies 1
TS06	C-ITS cyber security	IS02	C-ITS infrastructure
TS09	C-ITS deployment issues 1	IS14	Technology and the driver
TS16	Safety systems 2	CP01	Traffic information and management 1
		CP03	New services and technologies 1
		FS4	eCall 2017: vers le SOS automatique et la voiture connectée pour tous
		FS5	Le projet SCOOP@F

Topic: 3. Multimodal Transport for People and Goods

ES04	From Mode-centric to Mobility-centric	TS32	Freight and logistics 1
ES06	Public Agencies and Innovative Freight Technologies: Step Up or Step Aside	TS41	Freight and Logistics 2
SIS00	Intermodal ITS solutions in and around ports	TS49	Journey planning and mode choice
SIS04	Cooperation and harmonisation as a boost for ITS deployment	TS55	Smarter services for cities and regions 1
SIS12	Mobility as a service - a solution for the brave new world?	TS63	Smarter services for cities and regions 2
SIS20	ITS and logistics	TS65	Data-based services
SIS26	How ITS is challenging urban logistics (r)evolution	TS73	Modelling and routing
SIS29	ITS for road freight compliance and efficiency	II05	New mobility solutions: what impact on travel habits and on the use of public transport?
SIS32	Multimodal ITS, a means for a better mobility	PR13	Is there a business case for a universal mobility service marketplace?
SIS50	What is old is new again! Reinvention of traditional transport services	PR18	Gertrude real time : several ITS methods and solutions in the same core
SIS55	A tool box of ITS services for transport corridors and their urban interfaces	IS04	Delivering Intelligent Mobility – overcoming the challenge of data silos
SIS61	The next generation accessible transportation system/services	IS07	Freight and logistics 3
SIS66	Enabling harmonized deployment of ITS: Policy, Industry, Operator cooperation	IS10	New solutions for cities and regions
TS07	Journey time variability	CP09	Tolling and payment technologies
TS08	Towards smart mobility	SW4	Ports and hinterland traffic

Topic: 4. Urban Trends Driving ITS changes

ES Host2	ITS and social inclusion reducing mobility barriers	TS79	Journey analytics 2
ES11	Developing an ITS City	TS83	Network control
GPS3	Enhancing mobility and quality of city life thanks to ITS	TS89	Organisational issues 1
SIS45	Attractive cities and new transport concepts.	TS95	Organisational issues 2
TS03	Smart routing	II07	Sharing best practice of ITS: real life examples
TS10	Journey analytics 1	II08	Comprehensive evaluation models and technology of urban transport
TS15	Influencing driver behaviour 1	IS05	Innovative solutions 1
TS19	Influencing driver behaviour 2	IS06	Innovative solutions 2
TS23	Traffic control and management 1	IS08	Railways and ITS
TS27	Traffic control and management 2	CP04	New services and technologies 2
TS37	Traffic control and management 3	CP11	New solutions for public transport
TS46	Traffic control and management 4	SW5	City-Industry Cooperation for Low-Carbon Mobility
TS52	Timetabling, ticketing and payment	SW6	Improving mobility in non-traditional ITS Markets
TS61	Comfort and safety for city travellers	FS8	Stationnement en voirie : les nouveaux modes de paiement et de contrôle
TS70	Parking systems and services		
TS76	Vehicle and incident detection		

Topic: 5. Solutions for Sustainable Mobility

ES08	Safe and Sustainable Urban Transport	TS75	Emerging solutions for cities 2
SIS06	Innovative services for fast and secure border crossing points	TS81	Innovative technical solutions
SIS14	Electrification of Road Transport: Opportunities and Challenges	TS82	Pricing and tolling initiatives
SIS22	International challenges to solutions for sustainable mobility	TS86	Developing ITS skills
SIS34	ITS for reducing co2 emissions and assessment of its impact	TS88	Models and simulations 1
SIS38	Innovative ITS tools for a better asset infrastructure management	TS93	Models and simulations 2
SIS46	Accelerating ITS deployment by creating a more diverse workforce	TS94	Influencing behaviour
SIS57	ITS for global mega events	PR01	The ARC atlantic corridor project : harmonised ITS services involving 7 countries
SIS58	Traffic sensing by various manners	PR08	FEV: The range challenge -Is Wireless Charging the solution?
SIS63	Environmental sustainability through cooperative systems - efforts from the US and Europe	PR09	The decarbonisation of road transport: how can eco-driving contribute?
SIS68	Evolution for advanced utilization of video driving recorder to enhance safety management	PR10	Medtis - traveller information services involving 4 different European countries
T44	Reducing environmental impact 1	PR11	The INSPIRE transportation pilot as driver for TN-ITS implementation
TS01	Electromobility	PR12	The European ITS platform+: a key player to support future deployment plans
TS13	Solutions for vulnerable road users	PR19	Making urban transport more sustainable to address the global challenge of climate change
TS17	Infrastructure management	IS03	Traffic management and information services
TS21	Flow monitoring and management 1	IS09	Reducing environmental impact 2
TS25	Flow monitoring and management 2	CP05	New services and technologies 3
TS35	Flow monitoring and management 3	FS3	L'électromobilité en France, un enjeu régional, tant pour le développement et l'aménagement de nos territoires que pour accompagner l'évolution de la mobilité
TS50	Data management and analysis 1	FS7	Innovation et transition : le vélo au cœur des mobilités
TS59	Reducing environmental impact 3		
TS68	Data management and analysis 2		
TS69	Emerging solutions for cities 1		
TS74	Solutions in developing economies		

Topic: 6. Automated Roads, Automated Management, Automated Driving

HLTS 2 Connected and automated driving	TS14 Sensors and sensing
ES01 Challenges on the Path Towards Automation	TS18 Automation demonstrations
GPS 1 Autonomous, driverless vehicles: extending car-sharing and mobility as a service	TS22 Machine vision and automated driving
SIS03 Human factors in automated driving	TS26 Concepts in connected automation
SIS11 Field operational tests for automated driving	TS36 Legislation and regulation
SIS23-G Tri-lateral working group on automation in road transport	TS45 Control algorithms
SIS19 An integrated approach towards automated transport systems	TS51 Innovative technologies
SIS25 Theoretical and technical challenges for automated driving	TS60 Probe data
SIS28 Deployment of vehicle-roadway automation for public transportation applications	TS77 Human factors 1
SIS31 Approaches to road vehicle automation in different regions	TS84 Human factors 2
SIS37 Self-management in road transportation: how far are we?	TS90 Human factors 3
SIS41 European Electronic Toll Service: Implementation and future evolution of the service	TS96 Human factors 4
SIS43 Automated vehicle integration and applications into governance	II03 ADAS horizon and map data enabling Automated Driving
SIS49 National road authorities strategies to support the development towards automation	PR16 Certification of automated road vehicles for urban public transport
SIS54 Radiocommunication technologies for automated driving	IS11 Bringing automation to markets 1
SIS60 Smart intelligent traffic intersections – how will they leverage the internet of things?	IS12 Bringing automation to markets 2
TS02 Driver modelling 1	CP06 New services and technologies 4
	CP08 Implementation case studies
	SW2 Automated & connected vehicles: the legal and policy road ahead
	IBEC3 Evaluation of Connected Automated Driving
	FS6 Les défis théoriques et techniques de la conduite automatisée

Topic: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

ES12 What can we do with Big Data ?	TS67 Traffic management applications 2
GPS2 Big Data - the real value of your social media accountsG	TS80 New data sources
SIS08 Roles of open, big and small data in smarter mobility	TS87 Open data platforms
SIS16 Technology formula for future ITS: social, mobile, analytics, and cloud	TS92 Data quality
SIS24 Performance measuring, monitoring and reporting: is big data the answer?	TS98 Data fusion technologies
SIS35 Transformation of road transport through the use of probe data	TS99 Modelling and simulation
SIS47 Improving Motorway Management and Operations with Floating Car Data	II06 How can big data support ITS services ? A customers point of view
SIS64 Hacks and attacks: keeping ITS systems safe	II09 Making sense of the big data behind the connected vehicle
TS11 Policies and platforms	II10 Incident monitoring; interoperability, harnessing social media & user generated content
TS12 Traffic safety applications	PR14 Recommendations for urban authorities to publish standardised road and traffic data
TS33 Information provision and data analytics	IS13 Innovative data management techniques
TS34 Freight data	CP02 Traffic information and management 2
TS42 Public transport analytics	CP10 Open data
TS43 User behaviour	IBEC2 Reliable data for ITS Deployment
TS57 Public transport travel information	FS1 Utilisation des « Big Data » en matière de mobilité intelligente: état de l'art et innovations
TS58 Traffic management applications 1	FS2 Comment anticiper les influences des données sur la mobilité ?
TS66 Road maintenance applications	

Topic: Cross Cutting

PL1 ITS delivering societal changes	ES10 Securing Critical ITS Infrastructure and Data to Ensure Safety and Privacy
PL3 From personal connectivity to connected mobility	IBEC1 How to identify the proper ITS-Evaluation Methodology?
HLTS 1 The plug-and-play city	IBEC4 Is Evaluation really used by Decision Makers for Deployment-Decisions?
ES02 ITS for Social Innovation	
ES07 ITS Futures and the case for ICT Regulations and Standards to be Globally Harmonised	
ES09 Political and governance drivers for ITS	

Plenary Sessions

Opening Day of Bordeaux 2015

You and your accompanying person(s) are cordially invited to attend the Opening Day of Bordeaux 2015 on Monday 5 October 2015.

Opening Ceremony and Session

Monday 5 October 2015, 16:30-18:30

Bordeaux Convention Centre / Palais des Congrès - Amphi A

The Opening Ceremony and Session will include the official welcome by the Bordeaux Host, the French Ministry, Ms Violeta Bulc, European Commissioner for Mobility and Transport, and a keynote speech by Mr Pierre Coppey, President, ASFA, France.

Other high-level speakers from Asia-Pacific, The Americas and Europe will join also the Opening Ceremony and Session to present their personal views on key ITS issues.

The Opening Day will finish with the Ribbon Cutting and Opening of the Exhibition at 18.45 and the Welcome Reception in the Exhibition Hall from 18.45

Plenary Session 1 - ITS delivering societal changes

Tuesday 6 October 2015, 09:00-10:30

Bordeaux Convention Centre / Palais des Congrès - Amphi A

Around the world increasing attention is being paid to three key transport challenges – sustaining mobility, reducing the number and severity of traffic accidents, and managing the complex eco-system of energy consumption which will contribute to mitigating climate change. Established and emerging ITS solutions can contribute in a variety of ways to addressing these problems by influencing behaviour and widening the perspective on choices for example by enabling a transition from a world where a traveller owns or uses a range of transport to one where mobility is delivered through a package of services. National priorities vary but common themes include increasing the deployment of 'smart' systems

to improve safety and to contribute to 'greening' transport by reducing gaseous and noise emissions, reducing overall energy consumption while boosting the use of renewable energy sources, and shifting to lower-carbon transport modes. Speakers in this Plenary will review the technological, financial, social and environmental considerations, recommend what ITS can deliver now and in the near future, and propose ideas on what the necessary framework for this might be.

Plenary Session 2 - Space for intelligent mobility

Wednesday 7 October 2015, 14:00-15:30

Bordeaux Convention Centre / Palais des Congrès - Amphi A

Transport is well-placed to benefit from the international investments in Global Navigation Satellite Systems (GNSS) that are enhancing reliability, security, safety, quality and overall performance of existing transport services. When combined with mobile broadband, the next generations of services delivered via connected and/or automated vehicles will improve the quality, reliability and experience for the consumer. Additionally, satellite telecommunication brings Internet access to remote areas not covered by the mobile network, but in the future could be on a broader scale to save roaming costs and provide secure V2V and V2I links. Uninterrupted collection of data by earth observation satellites can provide precise

local weather prediction, monitor air quality, and supply low cost updates to transport network digital mapping. The speakers will explore the ways in which consumers, network operators and service providers might adopt and deploy these new products and services. Central to the discussion will be a dialogue on the social, political, business and environmental implications that these new technologies create.

Closing Day of Bordeaux 2015

You and your accompanying person(s) are cordially invited to attend the Closing Day of Bordeaux 2015 on Friday 9 October 2015.

Congress Conclusion Session

Friday 9 October 2015, 13:30-13:40

Bordeaux Convention Centre / Palais des Congrès - Amphi A

Join your colleagues by taking part in those Sessions which will captivate you by summarising the key moments that made the 22nd World Congress on ITS & Exhibition unique! The Congress Conclusion Session and Closing Ceremony integrate the 55-minute Plenary Session 3 on 'From personal connectivity to connected

mobility' from 13.40-14.35. The Congress conclusions based on inputs prepared by a team of Rapporteurs drawn from all regions will be presented.

Plenary Session 3 - From personal connectivity to connected mobility

Friday 9 October 2015, 13:40-14:35

Bordeaux Convention Centre / Palais des Congrès - Amphi A

As a result of the development and large up-take of smart phones and in the wireless networks, we expect and enjoy uninterrupted personal connectivity for apps, information, music, messages and conversation. The rapid development of such connectivity for vehicles ("Cooperative ITS") and objects (the "Internet of Things") offers major gains for travel safety, efficiency, environmental, and comfort impact. However while consumers have welcomed these developments and love the variety of what they currently offer, they have also prompted serious questions about privacy and data protection, driver distraction, data ownership, liability, personal and

societal security, and reliability. The market has shown that consumers are willing to accept that personal data is shared under certain conditions and in return for a clear benefit for the consumer, but will this approach be suitable for Cooperative ITS and the Internet of Things? The speakers will discuss how we might continue the transition to safe connected mobility and what technologies, organisational structures and business models might deliver the gains without the disadvantages.

Closing Ceremony

Friday 9 October 2015, 14:35-15:30

Bordeaux Convention Centre / Palais des Congrès - Amphi A

This Session will include among others: official closing and keynote speeches, the Bordeaux 2015 highlights video, best paper and best session awards, awards to winning teams of 24 hours of Innovation Student Competition, video presentations and invitations to 23rd

ITS World Congress (Melbourne 2016), 24th ITS World Congress (Montreal 2017), and Passing the Globe Ceremony (Europe - USA - Japan).

The Opening Ceremony and Session, the Plenary Sessions and the Closing Ceremony will include keynote and high-level speakers from Asia-Pacific, The Americas and Europe.

High-Level Technology Summits

High-Level Technology Summit 1 - The plug-and-play city

Tuesday 6 October 2015, 11:00-12:30

Bordeaux Convention Centre / Palais des Congrès - Amphi C

Cities around the world are all facing the same mobility challenges and to solve them both the cities and their industry suppliers need to change their way of working together. One new approach is the creation of a "Sustainable Mobility Partnership" of all stakeholders to jointly implement a coherent package of mobility measures that can really deliver sustainability – a new model for public-private cooperation that moves towards the

idea of a "living lab". For this approach to work successfully a open and replicable marketplace architecture for integrating a city's sustainable mobility systems, data and services is required. This summit will debate how this could be realised and the potential roles of the different stakeholders.

High-Level Technology Summit 2 - Connected and Automated driving

Tuesday 6 October 2015, 13:30-15:00

Bordeaux Convention Centre / Palais des Congrès - Amphi C

Connected and Automated driving technologies are becoming some of the most heavily researched automotive technologies but which mobility future should we support? What is the current status? Is the industry ready with the technology? What about security – is this taken into consideration as part of the development? Are consumers ready, and is the market ready? Focusing on technology readiness the stakeholders will debate how far the development of connected and automated driving

is reality today and what is coming in the foreseeable future. The speakers in this summit will outline their viewpoint in a series of opening statements which then will be debated with the audience.

The High-Level Technology Summits will include keynote and high-level speakers from Asia-Pacific, The Americas and Europe.

ES01 - Challenges on the Path Towards Automation

Tuesday 6 October 2015 - 11:00 - 12:30

Palais des Congrès - Amphi B

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

As vehicles become more automated and connected with each other and the infrastructure we need to consider what strategic investments need to be planned to support these technologies. Truly autonomous vehicles will not require a driver, potentially offering significant safety benefits by removing drivers' errors caused by skill failures, fatigue, and reluctance to follow traffic management directions, etc. However, virtually all current construction legislation and usage regulation assumes that a vehicle will have someone engaged in driving tasks; most traffic management scenarios are based on traditional driver behaviour and interaction with a 'driver in the vehicle'. We know that automation can improve efficiency and safety, reduce fraud and environmental impact, and contribute to service management and cost reduction. This session will explore the role of planners and government in the future of Connected and Automated Vehicles as a step to establishing the appropriate policy and regulation for them.

Keynote Speaker

Manuela Soares, Director Environment, DG RTD, European Commission

Moderator

Steven Dellenback, Executive Director R&D, Southwest Research Institute, United States

Speakers

Hyeon-shik Baik, Director,

ITS and Road Environment Division Ministry of Land, Infrastructure and Transport, Korea

Floris van de Klashorst, Vice President Connected Driving, HERE, The Netherlands

Hidenobu Kubota, Director for Technical Planning Office Engineering Policy Division, Road Transport Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan

Representative from automotive industry

ES02 - ITS for Social Innovation

Tuesday 6 October 2015 - 11:00 - 12:30

Palais des Congrès - E1 & E2

TOPIC: Cross Cutting

In recent years ITS have brought extensive and rapid changes to our daily life and social services as a result of technical and business model innovation. However, it seems people tend to be slow to understand such changes as a series of social reforms. ITS could make significant contributions to many hot social issues such as sustainable economic growth, road safety and efficiency, climate change and environment preservation, and better mobility for an ageing society. The involvement of both public and private sectors in developing the national ITS vision and roadmap will encourage more social innovations and benefit a better society. This session will share the experience that has been achieved and discuss the potential directions where we should go forward.

Moderator

Dean Zabrieszach, CEO, HMI Technologies Pty Ltd, Australia

Speakers

Tagui Ichikawa, Counsellor, Cabinet Secretariat, Japan

Larry Yermack, Strategic Advisor, Cubic Transportation Systems, United States

Representative from Europe

ES03 - A Safe and Reliable Society through Cooperative ITS

Wednesday 7 October 2015 - 09:00 - 10:30

Palais des Congrès - Amphi B

TOPIC: 2. Cooperative ITS Deployment Challenges

Information from both conventional road infrastructure (road signs, sensors, highway radio broadcasting etc) and vehicle-infrastructure communication services such as Electronic Toll Collection has contributed to the reduction of traffic congestion, accidents and accident severity as well as environmental impact caused by road transport activities. Recent innovations in information and communication technologies have brought ITS to a very advanced level. However, the next two decades are likely to be very different to the last two decades and will pose very different problems for example, what should be the role of infrastructure in the years to come and what should be the associated legal and institutional frameworks? This session will introduce the policy efforts being promoted by America, Europe and Asia Pacific to achieve a safe and reliable society through cooperative ITS, based on new trends such as automated driving and use of "Big data." It will also feature a discussion of the approach to international cooperation and efforts to achieve full-fledged deployment.

Moderator

Peter McCombs, Chairman, Traffic Design Group Ltd & ITS New Zealand, New Zealand

Speakers

Takumi Yamamoto, Director, Road Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan

Refi-Tugrul Güner, Head of Innovation and International Standardization, Kapsch TrafficCom AG, Austria

Jill Ingrassia, Managing Director, Government Relations and

Traffic Safety Advocacy, AAA, United States

Abbas Mohaddes, Iteris Inc. United States

ES04 - From Mode-centric to Mobility-centric

Wednesday 7 October 2015 - 09:00 - 10:30

Palais des Congrès - Amphi C

TOPIC: 3. Multimodal Transport for People and Goods

For both passengers and goods reliable transport is essential. The traditional focus of mode-centric mobility is limited by infrastructure capacity which is usually not expandable. A 'mobility-centric' approach will encourage multimodal shift. A key challenge for this option is the automated collection and processing of a wide range of real-time data for reliable planning, forecasting, deviation detection and production of revised strategies on an individual case basis. Recent advances in technologies (tracking, tracing, electronic payment, journey time prediction etc) are enabling those advanced services. However many organisational, operational (competition between service providers) and attitudinal barriers need to be removed or reduced. "Mobility as a Service" is a future approach for truly seamless mobility within a multimodal environment that makes the best use of the available infrastructure capacity. The session will discuss how reliable multimodal travel and transport services, by providing more efficient planning and forecasting services, will enable 'mobility-centric' transport.

Keynote Speaker

Bernard Larrouturou, Director-General, Cerema, France

Moderator

Anne-Laure Fabre-Nadler, Adviser and Vice-President in charge of mobility, Gironde County Council, France

Speakers

Olle Isaksson, Head of Strategy in the Industry and Society, Ericsson, Sweden

Brian Negus, General Manager Public Policy, RACV, Australia

Representative from the Americas

Representative from Asia-Pacific

ES05 - Getting the Pay-off from Connectivity

Wednesday 7 October 2015 - 11:00 - 12:30

Palais des Congrès - Amphi B

TOPIC: 2. Cooperative ITS Deployment Challenges

Drivers today expect to be informed and advised in an increasingly sophisticated manner – from collective (same for everyone) and external (outside the car, along the road side) to personal advice in the car tailored to the specific context and needs of the driver. Information is therefore crucial for the efficiency and safety of our transport. The role of road authorities is also changing with a shift from classic traffic management towards coordination of accessible and reliable information exchange aiming at safer and more efficient transport. Private parties are able to provide that information in real time and help road authorities improve traffic systems. In this session we will address the enablers of connected mobility (such as sensors, data, telecommunication technology) and its benefits (such as better traffic flow, environmental, efficiency and cost savings).

Moderator

Magda Kopczynska, Director Innovative and Sustainable Mobility, DG MOVE, European Commission

Speakers

Ken Leonard, Director Intelligent Transportation Systems and Joint Program Office, Federal Highway Administration, United States

Chris Konditsiotis, CEO, Transport Certification Australia, Australia

Atsushi Yano, Managing Director, Sumitomo Electric Industries Co., Ltd., Japan

Representative from Europe

ES06 - Public Agencies and Innovative Freight Technologies: Step Up or Step Aside

Wednesday 7 October 2015 - 11:00 - 12:30

Palais des Congrès - Amphi C

TOPIC: 3. Multimodal Transport for People and Goods

Freight network operators are continuing to deploy innovative solutions to address challenges and improve performance. Private fleet truck platooning systems are emerging and freight drone deployments are rapidly becoming a reality. These are examples of systems that minimise human intervention and greatly reduce delays to scheduled freight delivery times. Portions of this evolution in technology are moving forward without the much needed public policies and regulations. Public agencies must understand the implications and engage in order to ensure safe, efficient technology deployment guidance for all transportation stakeholders.

Moderator

Richard Easley, President and Founder, E-Squared Engineering, United States

Speakers

Randell Iwasaki, Executive Director, Contra Costa Transportation Authority, United States

Paul Gray, CEO, Cohda Wireless Pty Ltd, Australia

Michael Nielsen, General Delegate, IRU

Michael Ruf, Senior VP, Head of business Unit Commercial Vehicles, Continental, Germany

Karen Rasmussen, President & CEO, HELP, Inc. United States

ES07 - ITS Futures and the case for ICT Regulations and Standards to be Globally Harmonised

Thursday 8 October 2015 - 09:00 - 10:30

Palais des Congrès - Amphi B

TOPIC: Cross Cutting

Information and communication technologies (ICT) play an important role in deploying ITS systems in order to enhance transport efficiency and safety performance and improve sustainability globally. With the development of connected vehicles (CV) and/or automated vehicles (AV) on the horizon ICT such as V2X communications, high resolution radar, mobile communications including 4G/LTE, 5G etc will be indispensable for service delivery in the near future. A fundamental question is whether worldwide ICT regulations and standards will expedite and facilitate development, validation and deployment of a wide range of future ITS services. This session will discuss this key issue by sharing information on the state of international partnership in ICT harmonisation but also by providing ITS areas with future challenges.

Keynote Speaker

Martial Chevreuil, Director Innovation and Sustainable Development, Egis, France

Moderator

Christian Rousseau, Transport Policy General Secretary Division, Renault, France

Speakers

Shin Morishita, Director, Ministry of Internal Affairs and Communications, Japan

T. Russell Shields, Founder and Chair, Ygomi LLC, United States

Representative from Europe

Representative from the Americas

ES08 - Safe and Sustainable Urban Transport

Thursday 8 October 2015 - 09:00 - 10:30

Palais des Congrès - Amphi C

TOPIC: 5. Solutions for Sustainable Mobility

Multimodal transport utilising sophisticated traffic management solutions is vital for sustainable movement in cities and their outlying regions. Most transport modes, including walking, can function safely, smoothly and efficiently individually when deployed using ITS technology. However a genuinely connected and sustainable city will require the modes to be integrated and delivered as a single mobility service. To do this the cities will need to establish innovative partnerships with a range of public and private providers. While this is not straightforward doing so will enhance the availability of Big Data, vehicle connectivity, energy use, environmental impact, the way we get services and make decisions about travel, our overall approach to safe co-existence for the movement of people and goods in cities, and independent living for an ageing population. This session will review the ITS possibilities and deployment requirements of a connected multimodal society.

Moderator

Takashi Oguchi, Professor, University of Tokyo, Japan

Speakers

Nobuhiro Kato, Director, ITS National Police Agency, Japan

Maria Krafft, Director, Swedish Transport Administration - STA, Sweden

Michel Labardin, Vice President, Bordeaux Metropole, France

ES09 - Political and governance drivers for ITS

Thursday 8 October 2015 - 09:00 - 10:30

Palais des Congrès - E1 & E2

TOPIC: Cross Cutting

As ITS moves from individual stand-alone systems and services to an integrated suite of applications and services sharing data and coordinating mobility, it inevitably becomes more complex and involves more stakeholders. Cooperative ITS is an excellent example of this complexity and how new services impact on traditional responsibilities and governance. ITS will continue to be deployed locally to improve safety, the environment, accessibility, economic performance, mobility and quality of life. However, to secure the community wide and network gains that ITS offers we need to understand and communicate the benefits, secure sustained political leadership, have clear policy objectives and establish appropriate governance measures. This session will focus on this fast changing environment and illustrate how policy makers are dealing with this issue in order to provide proper guidelines and regulation, and how different governments are addressing this challenge.

Keynote Speaker

Francois Poupard, Director Infrastructure, transport and sea (DGITM), Transport Ministry, France

Moderator

George Gillespie, Assistant Director of Land and Environmental Services, Glasgow City Council, United Kingdom

Speakers

Kenichiro Yoshida, Director, Electric Vehicle, Advanced Technology and ITS promotion Office Ministry of Economy, Trade and Industries, Japan

Mathieu Hazouhard, Vice-President, Aquitaine Regional Council, France (TBC)

Representative from the Americas

ES10 - Securing Critical ITS Infrastructure and Data to Ensure Safety and Privacy**Thursday 8 October 2015 - 11:00 - 12:30****Palais des Congrès - Amphi B****TOPIC: Cross Cutting**

Critical ITS infrastructure is vulnerable to both physical and cyber-attacks creating risks to operations, safety, and data privacy. Across the globe there are widely varying laws with respect to collecting data and the privacy of the collected data. This session will explore the many unresolved issues to be addressed – for example, who owns the data generated by an individual's travel, but collected by their car? Is maintaining an individual's anonymity enough or must we take further steps to ensure complete privacy? Although an increasing volume of Data is likely to be "Open" we still need to consider its security – for example, preventing non-government and illicit groups using it for unapproved purposes. While some hacking activities amount to no more than a prank, others are serious attempts to disrupt and create chaos. Recent events of hacking highlight the need for ITS system operators to remain vigilant. This session will focus on the approaches to secure data and infrastructure used across the Regions including how to gain public acceptance and trust.

Keynote Speaker

Drue Freeman, Senior Vice President, NXP, United States

Moderator

Kirk Steudle, Director, Michigan Department of Transportation, United States

Speakers

Anup Sable Executive Sr. Vice President- Automotive and Engineering KPIT Technologies Ltd, India

Representative from Europe

Representative from the Americas

ES11 - Developing an ITS City**Thursday 8 October 2015 - 11:00 - 12:30****Palais des Congrès - Amphi C****TOPIC: 4. Urban Trends Driving ITS changes**

There is a global trend towards living in cities but in most cases limited space for transport infrastructure and housing means that the impacts of greenhouse gases, transport safety and efficiency, and the difficulties of supplying reliable public transport, food, energy and goods are particularly acute. Different cities are developing different solutions to these problems but the challenges are very similar especially the difficulty of deploying transport that works synergistically with systems for water, waste disposal, energy supply and provision of ICT. Many ITS services are now available to help city planners and transport operators and widespread mobile connectivity and social networks enable cities with less developed infrastructure to rapidly deploy transport services. The citizens of such an ITS city could for example have the information they need to monitor and manage their own energy and pollution footprint, to give them visibility of the consequences of their mobility choices. This session will review what has been deployed and examine the steps being taken around the world within different city development contexts to see what are the better options and how we can learn from each other.

Moderator

Brian Negus, General Manager, Public Policy, RACV, Australia

Speakers

Phil Silver, Director Business Development, Urban Insights Associates United States

Stephen Hewett, Senior Technical Director - Traffic Operations, Beca Limited & ITS New Zealand Vice President, New Zealand

Virginie Calmels, Deputy Mayor in charge of Economy, Employment and Sustainable growth, Bordeaux City, France

ES12 - What can we do with Big Data ?**Thursday 8 October 2015 - 11:00 - 12:30****Palais des Congrès - E1 & E2****TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?**

Data is the essential component of ITS and the mobility services it enables. Driven by fast telecoms and affordable high powered computing, transport systems and vehicle systems are generating large amounts of data. The widespread adoption of personal digital devices, the development of the 'Internet of Things,' and the significant adoption of real-time information services are adding to this growth. The 'supply side' is clear – but what can data analytics provide to transport professionals to improve transport operations? This session will explore the power of transport data analytics to uncover mechanisms, trends and patterns and understand the effects of our investments in Intelligent Transportation Systems and connected vehicles. The panel will consist of leaders from both public and private sectors who will provide an overall picture of needs to be addressed by Big Data and the capabilities of currently available solutions to provide answers.

Keynote Speaker

Paul Timmers, Director of the Sustainable & Secure Society Directorate, DG CONNECT, European Commission

Moderator

Eric-Mark Huitema, Global Manager Smarter Transportation, IBM, Netherlands

Speakers

Glenn Geers, Technology Director, ITL NICTA, Australia

Wee Boon Chia, CEO, NCS Pte Ltd, Singapore

Representative from Europe

Representative from the Americas

ES Host 1 - Space and ITS Services

Tuesday 6 October 2015 - 11:00 - 12:30

Palais des Congrès - F1 & F2

TOPIC: 1. Space Technologies and Services for ITS

After having significantly transformed air transport and contributed to the development of in-car navigation, space technologies are bringing valuable new support to several ITS solutions. Global Navigation Satellite System (GNSS) positioning and timing services are widely used today by all modes of transport. When combined with vehicle sensors and V2X communication future multi-constellation and multi-frequency receivers will dramatically improve positioning performance and enable a wide range of innovative ITS applications. Galileo, Europe's own GNSS, will bring additional services to improve the performance, application reliability and overall robustness of positioning. Satellite telecommunications can offer Internet access to remote areas, reduce roaming costs, and provide secure links for police and emergency services even in situations where terrestrial networks are under deployment. In general they can be used for V2X communication where the coverage of terrestrial networks is not sufficient. Combining the next generation of meteorological satellites with the planned Eumetsat Polar System will make possible major improvements to weather prediction that will benefit all classes of transport users. Earth observation via satellite has shown great potential to assist in the control of CO2 and other greenhouse gas emissions at regional and global level. This session will assess the powerful new techniques beginning to become available for the transport sector, review what technical or administrative changes might be needed and look at the expected benefits from developing this topic within a strong international cooperation.

Moderator

Roger Pagny, Directorate-General for Infrastructure, Transport and Sea ITS Task Force, Ministry of Ecology, Sustainable Development and Energy, France

Speakers

Paul Febvre, Chief Technology Officer, Satellite Applications Catapult Ltd, United Kingdom

Magali Vaissiere, Director of Telecommunications & Integrated Applications, ESTEC, ESA HQ, France

Agnes Paillard, President, Aerospace Valley, France

Tim Last, Vice President M2M & Strategic Solutions, Iridium, United Kingdom

Satoshi Kogure, QZSS Mission Manager Japan Aerospace Exploration Agency (JAXA), Japan

Carlo des Dorides, Executive Director, GSA, Czech Republic

ES Host 2 - ITS and social inclusion, reducing mobility barriers

Thursday 8 October 2015 - 15:30-17:00

Palais des Congrès - Amphi C

TOPIC: 4. Urban Trends Driving ITS changes

While every region looks to strengthen its appeal and economic dynamism, to ensure the quality of life of all its citizens, without exception, and generally do what is right for society, cities are faced simultaneously with demographic boom and an aging population, both of which are set to escalate over the coming decades. Often, the cities are not prepared for this aging trend or for the mobility problems associated with it, which are of course shared by disabled persons. Beyond road safety issues, the challenge here is to enable elderly people to use private vehicles for longer and to have access to door-to-door transport. In other words, help them to stay mobile and use urban amenities for as long as possible. Today legal requirements have been prescribed around the world. The challenge is to increase autonomy and participation while reducing, or even eliminating, the gap between their ability, needs and wishes on the one hand and their environment's various physical, organizational and cultural components on the other. Can ITS provide opportunities and solutions for these issues? Multimodal real-time travel information made available throughout the mobility network; accessible exchange hubs with software guides; predictable, punctual movements; on-request transport adapted to real-time demand; accessible and adapted ticketing; guidance to suitable parking facilities; connected vehicles and mobiles; made-to-measure applications for inclusive mobility, etc.: in tomorrow's world, travellers will benefit from all these attractive features.

Moderator

Florence Castel, General Director, Advancity, France

Speakers

Joël Solari, Deputy Mayor, City of Bordeaux, France

Marie Prost-Coletta, Accessibility French Ministerial Delegate, French Ministry - Ecology sustainable development, France

Martin Russ, Managing Director, AustriaTech GmbH, Austria

Masayuki Kawamoto, Project General Manager R&D Management Division, Toyota Motor Corporation, Japan

Claude Carette, President of the AIPCR Quebec section, City of Montreal, Canada

Patrick McGowan, Vice President of Business Development, Surface Transportation, SERCO, United States

General Public Sessions

General Public Session 1 - Autonomous, driverless vehicles: extending car-sharing and mobility as a service

Wednesday 7 October 2015, 12:30- 14:00

Exhibition Hall 1, Commercial Atrium

Driverless vehicles are no longer just laboratory prototypes. They are almost ready for deployment with claims that, thanks to their sophisticated sensors and control systems, they can improve road safety and traffic flow and lead to new, flexible transport services accessible to the elderly and disabled. However, real-world impact studies are needed, including experiments to demonstrate road safety aspects, before a loosening of regulations can permit their deployment.

But should this technology be oriented towards shared mobility,

or individual mobility? Will it be more reliable, and should it see and hear more, than a human driver? Should automated vehicles be restricted to identified roads? How do human drivers take over when they leave the identified sections? Will drivers have to take a specific driving test before using an autonomous vehicle? If so, how do we organise training and assessments?

This session is an opportunity to learn more about these far-reaching developments.

General Public Session 2 - Big Data – the real value of your social media accounts

Wednesday 7 October 2015, 14:15-15:15

Exhibition Hall 1, Commercial Atrium

Thanks to ITS, new data sources, enhanced in terms of quality and quantity, are now benefiting users and operators, especially in urban areas. We are now capable of storing “Big Data” affordably and, more importantly, of exploiting it effectively to provide new services.

Modern “Big Data” techniques allow us to combine multi-source public and private mobility data with data on energy, waste, water, climate, land use, etc. allowing new opportunities such as traffic prediction systems as a decision-aid (pursue journey or

park, depending on a wide range of factors).

But this raises a number of questions: Who pays for what? Who owns what? Can anyone have access to data? Is there a risk of one organisation building a dominant position? How can we ensure compliance with privacy and anonymity rules?

This session will look at these exciting developments and bring an opportunity for public discussion.

General Public Session 3 - Enhancing mobility and quality of city life thanks to ITS

Thursday 8 October 2015, 12:30-13:45

Exhibition Hall 1, Commercial Atrium

The 20th century saw a boom in mobility and private vehicles, and the development of efficient transport services and flexible infrastructure. However, with continuing population growth and increasing budgetary constraints, cities are faced with the challenges of controlling urban spread and reducing traffic congestion, while encouraging economic development and moves to a ‘Greener’ city via a systemic approach to urban transport.

We need to change our mobility model to return to fluid travel and predictable journey times and strike a balance between investing in proven transport infrastructure and developing innovative technologies and uses. Matching transport supply to demand is helped by new ITS services such as automated and

connected public and private transport, cooperative driving and digital real-time payment and ticketing systems, but also by new uses for established technology such as car sharing, car pooling and deploying gentle modes of transport in city centres.

This session will point the way to a new transport world for cities and give the audience a chance to express preferences.

The General Public Sessions will include high-level speakers from Asia-Pacific, The Americas and Europe.

Special Interest Sessions

SIS01 - GNSS service quality supporting ITS deployment

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

GNSS have a significant potential in the development of ITS. However, the current lack of certification processes underpinned by agreed standards is impeding the realisation of the expected benefits. Although standardisation activities have started in Europe on this topic, some scientific issues are still open and require a common agreement. The session will address key topics such as: quality control of positioning for critical ITS applications, the way to improve the basic GNSS quality by sensor fusion or satellite-based augmentation systems and it will end by an overview on standardisation of GNSS-based positioning systems for road transport.

Organiser

Francois Peyret, IFSTTAR, France

Moderator

Francois Peyret, IFSTTAR, France

Speakers

Yoshimi Ohshima, NEC Corporation, Japan

Christopher Wilson, Vehicle Data Science Corporation, United States

Joaquin Cosmen, GMV, Spain

Washington Ochieng, Imperial College, United Kingdom

SIS02 - Digital Infrastructure 2.0: Data Collection, Processing and Communications for Future Automated and Connected Vehicles

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

Future automated vehicles require an enhanced Digital Infrastructure that uses future digital mapping technology and future wireless communication to address future automated vehicle needs. New developments are presented addressing the three steps of future digital infrastructure generation comprising collection, processing and data distribution. Collection includes high quality probe data to accurately map the road and detect changes promptly. Processing must accurately represent all lanes in tile-based formats for communication to the vehicle with minimum latency. Updates include dynamic data such as traffic, weather, road hazards and construction, with consideration of future communications solutions such as 4G enhancements and 5G.

Organiser

Robert Denaro, ITS Consulting, United States

Moderator

James Misener, Qualcomm Technologies Inc, United States

Speakers

Chris Borroni-Bird, Qualcomm Technologies Inc, United States

Jens Nitzschke, Beyonav, United States

Ogi Redzic, HERE/Nokia Inc. USA, United States

Stephen T'Soibbel, TomTom, Belgium

SIS03 - Human factors in automated driving

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

In Automated Driving, the human driver will play a crucial role at least for the next 2 decades. Transitions of control need to be carefully designed ensuring that drivers adequately resume control when needed. Trust and acceptance need to be assessed and optimised and human factors research has to move from driving simulators to on road assessment of the human interaction with automation. This session will present an outlook including the projects HFauto and AdaptIVe as well as input from the USA and Asia, and a round table discussion on the human factors challenges of automated driving.

Organiser

Riender Happee, Technical University Delft, Netherlands

Moderator

Marieke Martens, University of Twente, Netherlands

Speakers

Riender Happee, Technical University Delft, Netherlands

Natasha Merat, University of Leeds, United Kingdom

Mikael Soderman, Volvo, Sweden

Rich Hanowski, VTTI, United States

Shin Kato, National Institute of Advanced Industrial Science and Technology, Japan

SIS04 - Cooperation and harmonisation as a boost for ITS deployment

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

Coordinated and harmonized deployment of ITS is associated with several challenges. The 2010/40/EC Directive on ITS aims to foster the successful and sustainable deployment of ITS across Europe. In parallel, investments in the development of ITS are significant, while the role of international associations is important in enabling cooperation, harmonized approaches and common visions. The SIS aims to bring together international ITS experts to discuss the possibilities for increased cooperation among the member states, the quick uptake of innovative solutions and lessons learnt, the capitalization of existing results and good practices and the conditions for an improved ITS policy setting.

Organiser

Evangelos Mitsakis, Centre for Research and Technology Hellas, Greece

Moderator

Evangelos Mitsakis, Centre for Research and Technology Hellas, Greece

Speakers

Jane Lappin, US DOT, United States

Caroline Visser, IRF, Switzerland

Jason Chang, National Taiwan University, Chinese-Tapei

Evangelos Mitsakis, Centre for Research and Technology Hellas, Greece

Martin Boehm, AustriaTech, Austria

Roman Srp, ITS National, Czech Republic

Christer Karlson, ITS Sweden, Sweden

SIS05 - Autonomous driving intelligence for elderly drivers

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

As an innovation of driver assistance technology, this research project aims to develop "Autonomous Driving Intelligence System" to prevent risk of accidents and enhance driving safety for elderly drivers in order to assist the mobility of the elderly and vitalize the aged society. As elderly people still have high motivation in driving, this research focuses on the development of autonomous driving systems which human driver is still in the loop for primary driving task. The scope of the research project includes the development of the sensors and environment perception algorithm, driver modeling, and collision avoidance vehicle control technologies, as well as the field operational tests for system assessment and driver acceptance investigation for future deployment. To recover the degradation of driving performance of elderly drivers, the key point of technology is to embed the experienced driver model in the control algorithm of the autonomous vehicle which is so called "Risk Anticipation Driving". The speakers in this session will address the ongoing activities and obtained results and understandings from the current research project of autonomous driving intelligence system.

Organiser

Masao Nagai, Japan Automobile Research Institute, Japan

Moderator

Masao Nagai, Japan Automobile Research Institute, Japan

Speakers

Minoru Kamata, The University of Tokyo, Japan

Masayuki Okuwa, Toyota Central R&D Labs., Inc, Japan

Hideo Inoue, Toyota Motor Corporation, Japan

Pongsathorn Raksincharensak, Tokyo University of Agriculture and Technology, Japan

SIS06 - Innovative services for fast and secure border crossing points

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

What kind of innovative services can be implemented to ease border crossing and get rid of the kilometre long queues and days lost waiting? From queue management to vehicle automated border crossing, new services have a very high potential, proven by several pilot implementations. Border crossing points however remain of critical importance in terms of national security, a growing concern in many regions. The objective of this session is to hear about strategies, best practices and innovative services designed to reconcile security and facilitation of traffic of people and goods.

Organiser

Sebastien Mure, GoSwift, Estonia

Moderator

Sebastien Mure, GoSwift, Estonia

Speakers

Geraldine Lievre, Xerox, France

Zeljko Jeftic, International Road Transport Union Projects, Belgium

Richard Beaubien, Beaubien Engineering, United States

Jyrki Järvinen, ELY Centre of Southeast Finland, Finland

Rando Kruusmaa, Estonian Ministry of the Interior, Estonia

Aysu Müge Yeşil, Ministry of Transport, Maritime and Communication, Turkey

SIS07 - International harmonisation of C-ITS security policy

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 6

■ TOPIC: 2. Cooperative ITS Deployment Challenges

As Cooperative Intelligent Transportation Systems (C-ITS) are planned around the world, there is an opportunity to share the advantages of cooperative applications, provided trusted communications can be established. All stakeholders agree that security is essential for successful adoption and use of C-ITS. If systems fail, users might reject C-ITS. It is crucial to create a sustainable security solution that is flexible and effective; and has harmonized security policies to support of cross-jurisdictional interoperability. In January of 2014, a harmonization task group comprised of policy and technical experts began the process of identifying policy needs for C-ITS security systems. The results of this analysis are compelling and are organized as security policy recommendations in the following areas: risk categorization; functional decomposition of security solutions; and recommended organizational and technical policy options. The analysis also identifies those policies that are best suited to local decisions. We propose two Special Information Sessions-this first session provides stakeholders with an overview of results and a review of the analysis objectives and methodology, highlighting findings and their implications for C-ITS deployments.

Organiser

Suzanne Sloan, United States Department of Transportation (USDOT), United States

Moderator

Knut Evensen, Q-Free, Norway

Speakers

Suzanne Sloan, United States Department of Transportation (USDOT), United States

Wolfgang Höfs, DG CONNECT, European Commission
Chris Koniditsiotis, Transport Certification Australia, Australia

Gianmarco Baldini, European Commission, Italy

Steve Sill, United States Department of Transportation (USDOT), United States

SIS08 - Roles of open, big and small data in smarter mobility

Tuesday 6 October 2015 - 13:30 - 15:00

HALL2 - Room 7

■ TOPIC:7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Big data has dominated the discussions of ITS over the past several years. Open data has been recognized in the ITS arena as an opportunity for agencies to inform the public in a variety of ways about a transit agencies services as well as to show transparency. And small data is now being discussed in terms of its accessibility, information value and actionable nature based on its smaller volume. In ITS, some of these terms have been used interchangeably even though the terms have very different meanings. This session is intended to provide real-world examples of each of these types of ITS data from around the world in terms of how they are being used to improve mobility.

Organiser

Carol Schweiger, Schweiger Consulting LLC, United States

Moderator

Carol Schweiger, Schweiger Consulting LLC, United States

Speakers

Dean Economou, National Information Communications Technology Australia, Australia

Marije de Vreeze, ITS Netherlands, Netherlands

Dag Gogue, TransitLabs, United States

Kari Watkins, Georgia Institute of Technology, United States

SIS09 - Innovation using geospatial data and the Internet of Things

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 4

■ TOPIC: 1. Space Technologies and Services for ITS

New technologies such as High Precision Satellite Positioning, the 3D Map and Traffic Big Data are going to create next-generation ITS. On the other hand, the world of IoT where everything interconnects to the Internet is spreading out. Cars will play the main role for creating new value. In other words, cars are evolving with new technologies, changing their role in the life scene for a safer and more comfortable transportation, cooperating with new energy and adapting to the elderly society. We will discuss how ITS changes in the future as well as the directionality of ITS with a specific example.

Organiser

Naoki Tokitsu, Internet ITS Consortium, Japan

Moderator

Makoto Maekawa, NEC Corporation, Japan

Speakers

Juergen Daunis, Ericsson, Sweden

Kazuya Takeda, Nagoya University, Japan

TBD TBD, Here, United States

Sinpei Katou, Nagoya University, Japan

Tsuguo Nobe, Intel, Japan

SIS10 - Smarter ITS: have we included all modes and improved mobility?

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

As ITS advances (e.g., Smart Cities, Connected and Autonomous Vehicles, and more), we need to examine whether or not we have really improved mobility. There are two issues that will be discussed in this session: ensuring the inclusion of non-auto modes, such as pedestrians, bicycles and motorcycles, in smart ITS, and evaluating the effects on mobility from new and smarter ITS. The non-auto modes are using the same smart infrastructure as that for autos – an infrastructure that is smart enough to recognize cars, but may not be smart enough to recognize other users. And with smarter ITS, travellers can determine the best mode(s) and route(s) for their trip, but the information they receive may not be consolidated or easy to consume. This session will address evaluating the effects on mobility by implementing the new and smarter ITS.

Organiser

Carol Schweiger, Schweiger Consulting LLC, United States

Moderator

Richard Easley, E-Squared Engineering, United States

SIS11 - Field operational tests for automated driving

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Before automated or autonomous vehicles reach the market, their technology will be assessed in Field Operational Tests (FOTs). What will these tests look like? Is there a need for updating FOT methodology, ensuring that decision-makers will get a broad insight into the consequences of large-scale implementation? In this session a panel of experts will answer, in interaction with the audience, the following questions: Can we learn from the data gathered in previous FOTs? How do we assess the role and input of the user? What are the key research and impact questions? Are there any obstacles for arranging the tests?

Organiser

Sami Koskinen, VTT Technical Research Centre of Finland Ltd., Finland

Moderator

Sami Koskinen, VTT Technical Research Centre of Finland Ltd., Finland

Speakers

John-Fredrik Grönvall, Volvo Car Corporation, Sweden

Richard Bishop, Bishop Consulting, United States

Maxime Flament, ERTICO - ITS EUROPE

Tom Alkim, Ministry of Infrastructure and the Environment, Netherlands

Felix Fahrenkrog, Institut für Kraftfahrzeuge, Germany

SIS12 - Mobility as a service - a solution for the brave new world?

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

MaaS can help solve many of society's problems. It can offer an attractive alternative to car ownership; provide users more choice and a possibility to influence the development of new services. It can lead to more efficient, enjoyable, and more sustainable transport systems. However, MaaS will only happen through a systematic change to how we operate our transport systems. Discussion topics include organisations' need to rethink their roles in the emerging digital service ecosystem, regulation vs. deregulation, private sector rethinking their business models, and enabling a truly user-centric transport service ecosystem. Scalability and deployment will also be discussed.

Organiser

Krista Huhtala-Jenks, Ministry of Transport and Communications, Finland

Moderator

Sampo Hietanen, ITS Finland, Finland

Speakers

Mika Rytönen, Nokia/HERE Connected Driving, Germany

Jaehak Oh, The Korea Transport Institute (KOTI), Republic of Korea

Minna Kivimäki, Ministry of Transport and Communications, Finland

Tim Cooper, Skedgo, Australia

Magda Kopczynska, DG MOVE, European Commission

Gil Friend, City of Palo Alto, United States

SIS13 - C-ITS for traffic accident avoidance

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

It is the most important problem for many countries to prevent traffic accidents. Many of traffic accidents are occurred by human error. If a driver could recognize some dangerous situations approaching to him in advance and the recognition could prevent him from occurring human error, the process will be able to restrain many of traffic accidents previously. The V-I Cooperative systems can realize the process, and also are indispensable technology for autonomous vehicle around the world. This session aims to introduce the development and deployment of V-I Cooperative systems and to discuss some technological and political subjects of them.

Organiser

Yasushi Domae, National Police Agency/ UTMS Society of Japan, Japan

Moderator

Takashi Oguchi, The University of Tokyo, Japan

Speakers

Invited Speaker, UTMS Society of Japan, Japan

Invited Speaker from US

Invited Speaker from EU

Nobuyasu Kitayama, National Police Agency, Japan

Takashi Kimura, UTMS Society of Japan, Japan

SIS14 - Electrification of Road Transport: Opportunities and Challenges

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

Massive research is conducted to enable the wide market deployment of electric vehicles, including electric drivetrains, innovative storage and advanced charging solutions, ICT services to integrate EVs into energy and transport systems. This session will present an overview of the current strategy and measures for the EVs' deployment including interoperability, and some of the most cutting-edge developments in the area. Focus will be given on inductive charging technologies and on smart ICT services for vehicles connection with the smart city infrastructure. Multi-charging system will be addressed by concrete examples identified in the collaboration between the Toulouse Metropole and Oslo Municipality.

Organiser

Jean-Charles Pandazis, ERTICO - ITS EUROPE

Moderator

Jean-Charles Pandazis, ERTICO - ITS EUROPE

Speakers

Jean-Luc Mate, Continental, France

Angelos Amditis, National Technical University Campus Building of Electrical Engineers, Greece

Bert Witkamp, AVERE, Belgium

Sébastien Albertus, Renault, France

Helge Jensen, Oslo Municipality, Norway

SIS15-G - The new PIARC ITS web resource-a dynamic tool for policy-makers, practitioners & students

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 6

TOPIC: 2. Cooperative ITS Deployment Challenges

A 36 month partnership between the World Road Association (PIARC), the US Department of Transportation, ITS America, and an international team of editors and authors has produced a world-class web resource. It covers all aspects of ITS and road network operations illustrated on a thematic basis. The interactive online format makes a complex subject easily accessible and provides important links to case studies and multi-media resources. In this session the editors, sponsors and policy-makers, authors and the web developer will provide an insight into the new online resource. The session will include an interactive demonstration of its features.

Organiser

Richard Harris, Xerox, United Kingdom

Moderator

Jean-Francois Corte, PIARC World Road Association, France

Speakers

Jacques Ehrlich, IFSTTAR, France

John Miles

Richard Harris, Xerox, United Kingdom

SIS16 - Technology formula for future ITS: social, mobile, analytics, and cloud

Tuesday 6 October 2015 - 15:30 - 17:00

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Disruptive technologies and innovations being used in both the private and public sector are changing the way the technology providers work within the organization. This shift also provides opportunities for better operations of ITS systems, improved communications with system users (travelers), and enhanced planning for future transportation needs. This session will look at the uses of social media and networks, mobile computing, analytics (big data) and geospatial technologies, and cloud solutions to create better collaboration between internal and external technology customers.

Organiser

C Douglass Couto, Consultant, United States

Moderator

C Douglass Couto, Consultant, United States

Speakers

Jason JonMichael, National Technology Leader - ITS and Systems, United States

Adam Feng, Industrial Technology Research Institute, Chinese-Tapei

Pankaj Lunia, IBM, Singapore

Terry Bills, Esri, United States

SIS17 - Satellite positioning enabling new RUC services

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

Satellite navigation (GNSS) has demonstrated to be an important asset on the design of new ITS infrastructures, taking advantage of the enhanced positioning performance. For critical applications requiring lane-level accuracy, the qualification of these performances is of the upmost importance. The session will be introduced by the performance models and the improvements brought by new global programs (e.g. Galileo). Car makers will present their viewpoint concerning the provision of appropriate positioning performances for safety critical driving application, including self-driving. The last part of the session will be dedicated to liability and payment related applications, such as the distance-based road charging.

Organiser

Alberto Fernández-Wytenbach, European GNSS Agency, Czech Republic

Moderator

François Fischer, ERTICO - ITS EUROPE

Speakers

Jan Loewenau, Germany

Francois Peyret, IFSTTAR, France

Norbert Schindler, Siemens AG Österreich, Austria

Alberto Fernández-Wytenbach, European GNSS Agency, Czech Republic

Miroslav Bobošík, SkyToll, Slovakia

Kian Keong Chin, Land Transport Authority of Singapore, Singapore

SIS18 - Wireless telecommunications technologies

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

Wireless networks exhibit a wide range of solutions, from cellular networks to alternative radio networks through low power, free licence band network or wireless public / local area network. To get the right answer, intelligent transportation system have to ask the right question: which wireless network(s) for which ITS application in which environment? Depending on the requirements, on latency, bandwidth, QoS, availability, redundancy, security, on the energy consumption or interoperability, intelligent system requirements might require a different answer in terms of connectivity. This special interest session will gather key experts of the industry from various wireless networks so as share views through formal presentations, on key aspects, benefits and shortcomings of latest wireless technology in the context of intelligent transportation systems, key technologies such as long range low power radio networks, device to device communication and the 5th generation wireless networks. This special interest session will gather key specialists from Sigfox, Orange, Huawei and Ericsson as well as a representative of PMR networks.

Organiser

Stephane Petti, Orange, Luxembourg

Moderator

Stephane Petti, Orange, Luxembourg

Speakers

Stephane Petti, Orange, Luxembourg

Bruno Schuffenecker, Orange, Luxembourg

Rodolphe Fruges, Sigfox, France

Anders Fagerholt, Ericsson, Sweden

Fabrizio Cortezi, Huawei, France

SIS19 - An integrated approach towards automated transport systems

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 221

■ TOPIC: 6. Automated Roads, Automated Management, Automated Driving

The goal of this special session is to debate how the introduction of automation in all the different elements of transport, namely vehicles with main focus in cooperative automated driving applications, infrastructure, and operational system (control strategies, etc.) would enhance mobility in modern societies. The speakers and attendees will discuss how intelligence and automation could be diffused in all these elements to increase efficiency and safety of the whole transport network. Furthermore, different approaches for the implementation of automation will be also addressed during this session.

Organiser

Angelos Amditis, National Technical University Campus Building of Electrical Engineers, Greece

Moderator

Angelos Amditis, National Technical University Campus Building of Electrical Engineers, Greece

Speakers

Robert Shorten, IBM Research, Ireland

Steven Shladover, University of California at Berkeley, United States

Jeroen Ploeg, TNO Automotive, The Netherlands

Álvaro Arrúe, Idiada Automotive Technology, S.A., Spain

Lan Lin, Hitachi Europe Limited, France

Aria Etemad, Volkswagen Group Research, Germany

Adriano Alessandrini, Università degli Studi di Roma "La Sapienza", Italy

SIS20 - ITS and logistics

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 223

■ TOPIC: 3. Multimodal Transport for People and Goods

The session will give insights into experiences of creating and implementing strategic transport related funding activities relevant for ITS and logistics. The European Technology Platforms for Logistics (ALICE) and for ITS (ERTICO), as well as the European Commission and the U.S. Department of Transportation are invited to present their views as well as logistics end-users. The session aims to address officials/public authorities, who design transport and mobility R&D programs or related support activities in the field of transport logistics, as well as transport logistics representatives, which are willing to shape the world's future transport system by implementing R&D projects.

Organiser

Sarah Krautsack, Austrian Federal Ministry for Transport, Innovation and Technology, Austria

Moderator

Sarah Krautsack, Austrian Federal Ministry for Transport, Innovation and Technology, Austria

Speakers

Bernd Datler, ASFINAG, Austria

Johann Seif, Henkel Central Eastern Europe GmbH, Austria

Chris Koniditsiotis, Transport Certification Australia Limited, Australia

Keir Fitch, European Commission - DG MOVE

Lina Konstantinopoulou, ERTICO - ITS EUROPE

Wolfgang Höfs, DG CONNECT, European Commission

Rod Franklin, Kühne Logistics University / ALICE, United Kingdom

Kenneth Leonard, U.S. Department of Transportation / RITA, United States

SIS21 - Elderly driver: how can they drive longer and safer?

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

Along with the rapid aging of the society, the number of senior drivers and the traffic accidents involving them are increasing. However, it is necessary to drive longer as well as safer because recent studies suggest that the cessation of the driving would cause senior drivers to stay at home, less connection to the society, decrease mental/physical health and the quality of life. In this session we would like to show studies dealing with the relation between physical and cognitive states and the driving skills, and the countermeasures such as ITS, ADAS, and personalized training, and their expectations and acceptability.

Organiser

Hirofumi Aoki, Nagoya University, Japan

Moderator

Motoyuki Akamatsu, National Institute for Advanced Industrial Science and Technology, Japan

Speakers

Koji Oguri, Aichi Prefectural University, Japan

Joseph Coughlin, Massachusetts Institute of Technology, United States

Jon Antin, VTTI, United States

Annie Pauzie, IFSTAR, France

Hirofumi Aoki, Nagoya University, Japan

Kaechang Park, Kochi University of Technology, Japan

SIS22 - International challenges to solutions for sustainable mobility

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

ITS Service Providers meet a number of challenges when building ITS solutions for Sustainable Mobility. This session will bring Service Providers from Europe, USA and Asia-Pacific to share experiences and discuss potential issues in terms of architecture, interfaces and specifications, business models and legal issues, tools for decision makers and enablers for deployment. This interactive session will debate possibilities for developing common services together with a win-win approach. Substantial value is expected for providers of Sustainable Mobility solutions, to be confirmed through cooperation and open dialogue; hence the expected outcome is to achieve larger International cooperation facilitating deployment.

Organiser

Svetlana Popova, ERTICO - ITS EUROPE

Moderator

Rasmus Lindholm, ERTICO - ITS EUROPE

Speakers

Gabor Davidhazy, National Mobile Payment Plc., Hungary

Mika Ryttonen, Here, Finland

Jenny Konberg, Ericsson AB, Sweden

Grace Ong, Land Transport Authority Singapore, Singapore

Carl Andersen, Department of Transport, United States

Axel Burket, PTV Group, Germany

SIS23 - G - Tri-lateral working group on automation in road transport

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 6

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

EU-US-JP Trilateral Automation in Road Transportation Working Group supports the cooperation between Europe, United States and Japan on the topic of Automation. Several topics are addressed by the active working groups: "Connectivity", "Digital infrastructure", "Human factors", "Roadworthiness Testing", "Benefits and evaluation" and "Reliability and Cybersecurity". This session will provide an overview of the main topics of collaboration discussing the preliminary results and the future collaboration initiatives of the previous mentioned working groups. Relevant representatives of Europe, United States and Japan will provide a presentation highlighting their point of view and then common conclusions will be drafted considering the achieved results.

Organiser

Davide Brizzolara, ERTICO - ITS EUROPE

Moderator

Maxime Flament, ERTICO - ITS EUROPE

Speakers

Jane Lappin, US DOT, United States

Kevin Dopart, US DOT, United States

Hideyuki Kanoshima, MLIT NILIM, Japan

Takumi Yamamoto, MLIT Road Bureau, Japan

Wolfgang Hoefs, DG CONNECT, European Commission

SIS24 - Performance measuring, monitoring and reporting: is big data the answer?

Tuesday 6 October 2015 - 17:15 - 18:45

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

The amount of data available to traffic engineers has grown enormously over the last few years. However, the methodologies chosen for calculating and reporting network performance seem to have lagged behind the abundance of data. Companies generating performance measures that they compute from mobile phone or GNSS data regard their computational methods as trade secrets; a not altogether satisfactory situation. In this session the way traffic data is collected and analysed will be discussed from four perspectives: academic, agency, traveller and analytics provider; with the aim of harmonising how traffic data is collected and transformed into useful and authoritative information.

Organiser

Glenn Geers, NICTA, Australia

Moderator

Glenn Geers, NICTA, Australia

Speakers

Brian Negus, Royal Automobile Club of Victoria, Australia

Edoardo Felici, National Data Warehouse for Traffic Information, Netherlands

Robert Bertini, California Polytechnic State University, United States

Philip Silver, Urban Insights Associates, United States
Christian Wood, NSW Roads and Maritime Services, Australia

Chen Cai, National ICT Australia, Australia

Jonathan Turner, Transport for London, United Kingdom

SIS25 - Theoretical and technical challenges for automated driving

Wednesday 7 October 2015 - 09:00 - 10:30

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Automated driving research has been up to now mainly concentrated on sensor-based vehicle automation. Most current automated vehicles are therefore performing autonomous driving meaning every driving decision is taken within the vehicle. While sensor based systems have demonstrated automated driving in platooning scenarios, highly automated driver assistance or driving in unstructured environment (military), fully automated driving in broader contexts still requires further research and development. Much effort needs to be undertaken to achieve safety performance superior to that of a human driver, despite the inferior general cognitive capabilities of computers with respect to humans, and this is a prerequisite to creating the public acceptance and trust needed for their deployment. This session aims at providing some insight of what research labs and automotive industry have identified as the next key steps, how research handles these problems and how the results are being integrated into automotive roadmaps.

Organiser

Arnaud de La Fortelle, MINES ParisTech Center for robotics, France

Moderator

Arnaud de La Fortelle, MINES ParisTech Center for robotics, France

Speakers

Denis Gingras, Université de Sherbrooke, Canada

Vincent Abadie, PSA Peugeot Citroen, France

Wei-Bin Zhang, University of California at Berkeley, United States

Guillaume Devauchelle, Valeo, France

Ming Yang, Shanghai Jiao Tong University, China

Arnaud de La Fortelle, MINES ParisTech Center for robotics, France

SIS26 - How ITS is challenging urban logistics (r)evolution

Wednesday 7 October 2015 - 09:00 - 10:30

HALL2 - Room 223

TOPIC: 4. Urban Trends Driving ITS changes

Cities are facing new challenges regarding freight transport: urban development and traffic congestion interact with freight traffic flow increase, huge growth of e-commerce, new technologies for vehicles, for infrastructures and for tracking of goods, coordinated policies for urban sustainable mobility, etc. ITS are clearly a central key to implement efficient rules of transporting and delivering freight according to timing, cost and reliability requested by customers. New ITS-based solutions are being tested and implemented, involving both public and private actors. They need clear standards and rules regarding vehicle- or infrastructure-related technologies, data exchange and ownership, business models, role of actors. This SIS will cover and discuss experiments and best practices involving ITS in the (r)evolution of urban logistics.

Organiser

Bernard Favre, Sintras / LUTB, France

Moderator

Bernard Favre, Sintras / LUTB, France

Speakers

Daniel Firth

Jérôme Degryse, BH-Technologies, France

Pierre Serne, Conseil Régional Ile-de-France, France

Robert De Souza, The Logistics Institute Asia-Pacific, Singapore

Michael Browne, University of Westminster, United Kingdom

Mariko Okude, Hitachi, Ltd., Japan

SIS27-G - Enabling interaction between traffic management and mobility services

Wednesday 7 October 2015 - 11:00 - 12:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

Connected vehicles and infrastructure will lead to an integration of vehicle and road sensor data together with traffic management plans resulting in more consistent dynamic traffic information delivered to the drivers. Also, the provision of individual origin-destination routes may help road operators to predict future traffic situations. This session explores the current initiatives around Japan, USA and Europe for next generation traffic management interacting with the in-vehicle navigation systems, namely the US Integrated Corridor Management (ICM), the Japanese Universal Traffic Management System and the Traffic Management 2.0 in Europe as well as the German LENA4ITS project.

Organiser

Maxime Flament, ERTICO - ITS EUROPE

Moderator

Johanna Tzanidaki, TomTom, Netherlands

Speakers

Ulrich Fastenrath, BMW, Germany

Nobuhiro Kato, National Police Agency (NPA), Japan

Robert Sheehan, US DoT FHWA, United States

Gino Franco, SWARCO, United States

Achim Reusswig, Hessen Mobil - Road and Traffic Management, Germany

Klaas Rozema, Imtech, Netherlands

SIS28 - Deployment of vehicle-roadway automation for public transportation applications

Wednesday 7 October 2015 - 11:00 - 12:30

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Research on vehicle roadway automation has seen a resurgence and public spotlight in the past a few years. Recent interest on vehicle roadway automation from automobile industry and high tech companies have accelerated the development of technologies, legal framework, and near-term deployment plans for a range of products, ranging from partial to full automation systems, but still requesting the driver to be in the vehicle but allowing him or her better safety and perhaps the ability to conduct other activities. Similar technologies have also been applied to Public Transport over the last 20 years with strong driver assistance, for example for lane keeping in narrow corridors or to improve safety with collision avoidance. However, a new type of fully automated vehicles (level 4 or 5 in SAE definition) have also been developed over the last 20 years for public individual transport. These vehicles are now in operation in restricted environments such as in Heathrow or in Mazdar but projects such as CityMobil2 and at Google are now experimenting these type of full automation in city environments. This session will explore with key developers, potential customers and regulatory experts how automated driving can impact public transport in the next few years.

Organiser

Wei-Bin Zhang, University of California at Berkeley, United States

Moderator

Wei-Bin Michel Zhang, Parent University of California at Berkeley, United States

Speakers

Veronique Berthault, RATP, France

Jean-François Janin, French Ministry of Transports, France

Jeffrey Spenser, USDOT/FTA, United States

Chris Urmson, Google, United States

Gilbert Gagnaire, EasyMile, France

Maxime Flament, ERTICO - ITS Europe

SIS29 - ITS for road freight compliance and efficiency

Wednesday 7 October 2015 - 11:00 - 12:30

HALL2 - Room 223

TOPIC: 2. Cooperative ITS Deployment Challenges

On-board and interactive solutions involving lorries, infrastructure and stakeholders will be discussed to improve freight transport performance such as emissions, fuel consumption, road safety and capacity utilization. Technologies such as anti-rollover systems, dynamic speed control, eco-driving assistance, or platooning use vehicle dynamic parameters, road and traffic characteristics and external factors deliver warnings and vehicle control intervention. Electronic compliance systems allow road and traffic managers to give individual access permits to vehicles. These systems will support future regulation. They depend on vehicle to infrastructure integration with weigh-in-motion, global positioning systems (e.g. for access control), DSRC communication and on-board units, e-communication, etc. Improved monitoring and enforcement of heavy vehicles is becoming more advanced and challenging as the fleet diversifies. The session will be introduced by keynote speakers with formal presentations addressing the main challenges, based on the knowledge and background of each organisation (ISWIM, IFRTT, PIARC/CT2-3 and ITF). Discussion between the panellists and the audience will follow involving several recognized experts in heavy vehicles and freight transport.

Organiser

John Woodrooffe, University of Michigan, United States

Moderator

Chris Koniditsiotis, Transport Certification Australia, Australia

Speakers

Rikard Engström, SNRA, Sweden

Stephen Perkins, OECD, France

Bernard Jacob, IFSTTAR, France

John Woodrooffe, University of Michigan, United States

SIS30 - Connecting the pieces for a “connected vehicle” future

Wednesday 7 October 2015 - 16:00 - 17:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

This will be a panel session with short presentations and discussion. The CV community has developed deployment plans and technologies for security, applications, infrastructure, in-vehicle and after-market devices, and the institutional frameworks to support deployment. In this session we will review the technical, policy, and people aspects of change that will need to operate seamlessly for CV deployments. We will discuss: The technical designs and architectures for security, data, in-vehicle interfaces, and V2V, V2I, and V2M applications that need to operate together and be supported by broader policy decisions; Policy decisions that will affect implementations and produce the intended outcomes; and the people and organizational sides of strategic change.

Organiser

Dominie Garcia, Booz Allen Hamilton, Inc., United States

Moderator

Jocelyn Lewis, Booz Allen Hamilton, Inc., United States

Speakers

Scott Andrews, Cogenia, United States

Knut Evensen, Q-Free, Norway

April Armstrong, AHA Insight, United States

Dominie Garcia, Booz Allen Hamilton, Inc., United States

James Lou, Global Transportation Leader - Smarter Cities Center of Competency, United States

SIS31 - Approaches to road vehicle automation in different regions

Wednesday 7 October 2015 - 16:00 - 17:30

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

This session brings together Japanese, U.S.-American and European perspectives on road vehicle automation. Presenters will explore the potential of automated driving systems to increase traffic efficiency, road safety and driving comfort. They will take up the discussion on automated driving regulations and introduce technical solutions for automated driving in the highly challenging complex environment of a city. New approaches to the evaluation and impact assessment of automated driving systems will also be presented. Interactive discussions among the panel members and the audience follow the presentations. Impulses for this session come from the projects AdaptIVe, PATH and SIP-adus.

Organiser

Aria Etemad, Volkswagen Group Research, Germany

Moderator

Wolfgang Höfs, DG CONNECT, European Commission

Speakers

Steven E. Shladover, United States

Felix Fahrenkrog, Institut für Kraftfahrzeuge, Germany

Andreas Knapp, Daimler AG, Germany

Luisa Andreone, Centro Ricerche Fiat S.C.p.A., Italy

Hajime Amano, ITS Japan, Japan

SIS32 - Multimodal ITS, a means for a better mobility

Wednesday 7 October 2015 - 16:00 - 17:30

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

The aim of this SIS is to illustrate, through concrete projects, the contribution of ITS to support and promote a multimodal policy of sustainable mobility. ITS can contribute to a better coordination between modes and a rationalization of the use of transport networks. They can also contribute to a better modal shift from road to public transportation (rail, bus, tram,...) or active transportation modes (cycling, walking). It is well known that multimodal ITS systems can: - either be seen as monitoring tools used by network operators to enable a more efficient global travel management and an increasingly fine regulation of traffic flows; or be used as innovative services in order to promote a modal shift among people towards more efficient means of transport. Three main Topics will be developed in the SIS : multimodal information at the local level (Stuttgart and Toronto may be considered) multimodal information at the national level or for a wide area (European Union with the project Shift²Rail and Great Britain may be considered) multimodal transport management at the local level (“Seine St Denis département” in France may be considered) Note : in this SIS, multimodality is only addressed through “Travelers” (and not “Freight”).

Organiser

Jean Seng, Ministry of Transport AFIMB, France

Moderator

Bernard Schwob, AFIMB, France

Speakers

Eve Wyatt, Metrolinx, Canada

Segolene Deeley, Keolis, France

Lionel Legaie, CG93, France

Christophe Fondrier, HighQ, Germany

Yves Perreal, Thales, France

Julie Williams, Traveline, United Kingdom

SIS33 - Advanced Technologies for Operation and Maintenance of ITS Facilities

Wednesday 7 October 2015 - 16:00 - 17:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

More than 10 years have passed since the commencement of ITS such as ETC, VTC and others in the world. It is the time to consider the replacement of equipment of some of those systems. Under the limited budget, it is important to maintain them in the effective manner, but the replacement priority may be affected by the technological innovation and so far, we do not have the common method to do it. In this session, we will discuss about the management of ITS facilities and the method of replacement and related advanced technologies.

Organiser

Yasuhiko Kumagai, Kochi University of Technology, Japan

Moderator

Masao Kuwahara, Tohoku University, Japan

Speakers

Naoyuki Tamura, Kochi Prefecture, Japan

Takahiro Azuma, West Expressway FCT, Japan

Atsushi Eda, West Nippon Expressway Company Limited, Japan

Brian Negus, ITS Australia, Australia

Yotaro Nagai, West Nippon Expressway Company Limited, Japan

Mitsuru Misaki, West Nippon Expressway Company Limited, Japan

Le Hung Lan, National Institute for Technological Progress, Vietnam

SIS34 - ITS for reducing CO2 emissions and assessment of its impact

Wednesday 7 October 2015 - 16:00 - 17:30

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

ITS technologies are expected to effectively reduce energy consumption and carbon dioxide (CO2) emissions from vehicular highway traffic and to improve air quality. Various ITS introduction projects are conducted all over the world to suppress useless consumption of energy by improving traffic flow. Moreover, there is growing interest in autonomous driving technologies and its development has been advanced throughout the world. The autonomous driving technologies also have a possibility to suppress energy consumption and CO2 emissions because it contributes to reduce traffic jams and traffic accidents. To evaluate the effects of the introduction of ITS, a methodology to estimate CO2 emissions reduction by ITS was established and an international joint report was published in 2013 by collaborative work between Europe, US and Japan. We are trying to apply the evaluation methodology to various cities of the world and to open the result to the public because it will contribute to raise public awareness of environmental impact of ITS and to promote introduction of ITS. This session introduces recent projects of each of the three regions related to ITS including development of the autonomous driving technologies that lead reduction of energy consumption and CO2 emissions and how we will evaluate the impact.

Organiser

Daisuke Oshima, Pacific Consultants Co., Ltd., Japan

Moderator

Masao Kuwahara, Tohoku University, Japan

Speakers

David Hytch, Worldline, United Kingdom

Nobuyuki Ozaki, Toshiba Corporation, Japan

Daisuke Oshima, Pacific Consultants Co., Ltd., Japan

Nour-Eddin El Faouzi, IFSTTAR, France

SIS35 - Transformation of road transport through the use of probe data

Wednesday 7 October 2015 - 16:00 - 17:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Companies and organizations in each country are accelerating their efforts to use big data in order to create innovative services, make appropriate management decisions and increase operational efficiency. In the field of transport, probe data from a large number of vehicles are gathered and analyzed, and the results are used by private sector to initiate services that inform drivers about traffic congestion and other aspects of the state of road transport, and by the public sectors for road administration. Under the circumstance that the use of probe data is being studied with a variety of objectives, joint research on probe data standardization, compatibility, and so on is being conducted by EU, United States and Japan. This session will focus on the latest uses for probe in each country and region, and the content of the joint research being pursued by EU, United States and Japan. The session will also feature a discussion of the approach to the future use of probe data and the state of international collaboration.

Organiser

Keiji Hattori, Ministry of Land, Infrastructure, Transport and Tourism, Japan

Moderator

Keiji Hattori, Ministry of Land, Infrastructure, Transport and Tourism, Japan

Speakers

Masahiro Nishikawa, Ministry of Land, Infrastructure, Transport and Tourism, Japan

Hideyuki Kanoshima, National Institute for Land and Infrastructure Management, MLIT, Japan

SIS36 - First hand field experiences from Compass4D C-ITS Pilot

Thursday 8 October 2015 - 09:00 - 10:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

Over the past 3 years, the Compass4D pilot project deployed and piloted three C-ITS services (Road Hazard Warning, Red Light Violation Warning and Energy Efficient Intersection Service) at seven pilot sites throughout Europe. The project reached more than 550 users including bus, emergency vehicle, truck and taxi drivers. After the pilot and data collection phase, one of the aims of Compass4D is to ensure a after-project life while building upon a solid business model. In this two-round panel session, cities and users will reflect on their experiences from the pilot and motivate possible solutions to ensure continuity.

Organiser

Jaap Vreeswijk, Imtech Traffic & Infra, Netherlands

Moderator

Zeljko Jeftic, Head of IRU Project / Strategic Advisor Mobility, Netherlands

Speakers

Representative from MOVIA Copenhagen, Denmark

Representative from Bordeaux Fire Brigade France, France

Representative from Van den Broek Logistics the Netherlands, Netherlands

Representative from Region Central Macedonia Greece, Greece

Representative from Vigo City Council Spain, Spain

Representative from Bordeaux Metropolis France, France

Representative from City of Copenhagen Denmark, Denmark

SIS37 - Self-management in road transportation: how far are we?

Thursday 8 October 2015 - 09:00 - 10:30

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

This SIS focuses on the implementation of self-management properties in road transportation as part of the innovative concept of Autonomic Road Transport Support (ARTS) systems. It represents the opportunity for EU and non-EU members within the COST Network Action TU1102 ARTS to disseminate and debate with non-COST Action members the current development and findings of new ways of designing road transport support systems tailored under the idea of autonomic systems. Key fundamental questions debated are: Are there fundamentally different technological approaches that should be adopted by ARTS systems? What impacts and potential benefits are expected from self-managing implementations? Which areas of transport support will self-management be most applicable to?

Organiser

Fabio Galatioto, Newcastle University,

Moderator

Lee McCluskey, Professor of Software Technology,

Speakers

Seung-Hun Baek, Republic of Korea

Fabio Galatioto, Newcastle University,

Paul Rose

Peter Kirby

Muriel Desaeger

Raymond G. Hoogendoorn

Andreas Gregoriades

SIS38 - Innovative ITS tools for a better asset infrastructure management

Thursday 8 October 2015 - 09:00 - 10:30

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

Robust road network is the key element to provide a reliable communication network to transport people and goods that foster economical growth. The challenges that all countries have to face are to guaranty the provision of a safe and efficient road network. The first challenges is funding the second one is the maintenance of the road assets. Developing innovative predictive maintenance tools will be of high priority in order to safeguard the infrastructure assets and avoid them to deteriorate and therefore to prevent important costs to rebuilt them if destroyed. Integrating heritage management, preventive and predictive maintenance of road infrastructure (including tunnels and bridges), this is what the session will explore by providing the audience an overview of different experiences from all over the world to face the issues

Organiser

Malika Seddi, ASFA, France

Moderator

Patrick Mallejaq, IFFSTAR, France

Speakers

Patrick VIAL, IFFSTAR, France

Yasuyuki Matsumoto, East Nippon Expressway Company Limited, Japan

Emanuela Stocchi, AISCAT, Italy

Leif Vincentsen, Sunbelt, Denmark

Eric Layerle, Eurovia, France

SIS39 - Space and ITS services

Thursday 8 October 2015 - 11:00 - 12:30

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

Space technology provide exciting opportunities for ITS. Already global positioning GNSS (popularly referred to as GPS) technology using satellite constellations (e.g. GPS), delivers very high value to ITS services and applications. Other aspects of satellite technology (communications, earth observation, etc) are yet to be fully exploited in ITS. These technologies – in conjunction with their terrestrial counterparts - not only have the potential to address existing challenges, but also to unlock new areas of exploitation leading to a compelling value proposition for ITS services and applications for the future. For instance, resilient and seamless communications can allow timely data to be obtained from the vehicles irrespective of their geographical location, as well as deliver valuable services to the vehicle, driver and passengers. The executive session on Space introduced key themes on communication, earth observation, positioning and new space technologies relevant to ITS. The SIS session will explore these themes to present a better understanding of the technology, its strength and limitations and the opportunities for integration with terrestrial systems to the ITS community at the congress.

Organiser

Ashweeni Beeharee, Satellite Applications Catapult, United Kingdom

Moderator

Roger Pagny, Ministry of Ecology, Sustainable Development and Energy, France

Speakers

Alexander Bayen, Berkeley University, United States

Agnes Paillard, Aerospace Valley, France

SIS40 - Global deployment of C-ITS: state of play

Thursday 8 October 2015 - 11:00 - 12:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

C-ITS hardly requires an introduction. There is no doubt that through connectivity, the next generations of transportation system, vehicles and traffic management will be smarter, safer and much more efficient than the preceding ones. With various larger scale pilot and deployment projects underway around the world the common understanding of opportunities and challenges is growing. Noticeably, Europe, United States and Asia-Pacific have adopted different tactics to the deployment of C-ITS, each having its advantages technologically, politically and organizationally. Speakers from the three regions will discuss recent and on-going global achievements on C-ITS deployment, exchange experiences and identify common needs and issues.

Organiser

Jaap Vreeswijk, Imtech Traffic & Infra, Netherlands

Moderator

Steffen Rasmussen, City of Copenhagen, Denmark

Speakers

Maria Alfayate, DG MOVE, European Commission

Andy Graham, White Willow Consulting, United Kingdom

Jim Wright, AASHTO, United States

Frans op de Beek, Intelligent Transport Services and Traffic Management, Netherlands

André Perpey, Geoloc Systems, France

Akio Yamamoto, Toyota, Japan

SIS41 - European Electronic Toll Service: Implementation and future evolution of the service

Thursday 8 October 2015 - 11:00 - 12:30

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

The project Regional European Electronic Toll Service (REETS) currently focuses on the setting-up of pilot operations of EETS compliant services as a transit to a market of interoperable toll Services:1. Implementation of interoperable EETS services: Implementation of REETS Service Providers (new toll domains, technical solutions, supporting services, customer relationship management, major challenges) presented by Axxès, Telepass and DKV.2. From REETS to EETS: Evaluation of the regulatory framework (Jan Szulczyk, EC); Operation of the future EETS information platform (K. Dionelis, ASECAP) and how the project contributes to development of the SP market in Europe (E. Tzoneva, AETIS).

Organiser

Hubert Resch, ASFINAG, Austria

Moderator

Hubert Resch, ASFINAG, Austria

Speakers

Eva Tznoneva

Kallistratos Dionelis, ASECAP, Greece

Jan Szulczyk, EC, Poland

Ugo de Carolis, Telepass, Italy

Jürgen Steinmeyer, DKV, Germany

Jérôme Lejeune, Axxès, France

Hubert Resch, ASFINAG, Austria

SIS42 - Roadmaps and Challenges in Cooperative ITS Deployment

Thursday 8 October 2015 - 13:30 - 15:00

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

Cooperative ITS deployment is vital for improved transport efficiency, safety, sustainability, mobility, and environmental performance. The last decade has seen numerous initiatives world-wide to develop and deploy cooperative ITS systems. Government research, carried out in conjunction with automakers, suppliers, and research institutes, has successfully knit together technological, policy, and consumer considerations. Each panelist will introduce the specific steps taken (i.e., their deployment "roadmap") and challenges encountered in achieving cooperative ITS deployment. Audience members will have the opportunity to learn more about the latest Cooperative ITS deployments and practices from US, Europe, and Taiwan.

Organiser

Huei-Ru Tseng, Industrial Technology Research Institute (ITRI), Chinese-Taipei

Moderator

Ching-Yao Chan, University of California at Berkeley, United States

Speakers

Niels Peter Skov Andersen, European Telecommunications Standards Institute (ETSI), Denmark

Karl Wunderlich, Noblis, United States

Kate Hartman, USDOT, United States

Christine Tissot, Renault, France

Peter Wu, ASUS, Chinese-Taipei

SIS43 - Automated vehicle integration and applications into governance

Thursday 8 October 2015 - 13:30 - 15:00

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

This panel session will discuss integrating aspects of Automated Vehicle (AV) into transportation system development and design from a governance perspective. The panel will discuss different issues and approaches utilized around the United States to develop a business case for incorporating design elements specific to AV use into future roadway, transit, signal system, and other communications and modal infrastructure. Governmental approaches to specific policy issues, strategic infrastructure needs, goods movements, and business partnerships that were developed to foster expedient AV incorporation will be conveyed. Through utilizing the economic impact of efficiencies gained through AV applications by targeted industries and corridors, the return on investment for broader deployment strategies can be realized. The goal of this multimodal approach to AV integration is to cultivate a truly intelligent mobility path from trip origin to destination for both people and goods in order to safely and efficiently utilize available and future infrastructure.

Organiser

Ben Walker, HNTB, United States

Moderator

Jim Barbaresso, HNTB, United States

Speakers

Steve Dellenback, Southwest Research Institute, United States

Richard Bishop, Florida Dept. of Transportation, United States

Ed Hutchinson, Florida Dept. of Transportation, United States

Richard Biter, Florida Dept. of Transportation, United States

Peter Sweatman, UMTRI, United States

John Barton, Deputy Executive Director, Texas Dept. of Transportation, United States

SIS44 - Needs, wishes, restraints of the urban and intercity bus- and coachsector

Thursday 8 October 2015 - 13:30 - 15:00

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

Society's expectations towards urban - and intercity transport of passengers by bus is growing at an amazing speed. Safety, sustainability and comfort are major topics here. Add the fact that this mobility should be affordable for all. How far will public authorities go in taking costs involved, ... and the bus- and coach companies? The added value of these systems is not equal for all users. Urban transport has other needs than coach tourism, etc... And will there still be a place for SME-busoperators, if the investments involved in meeting the new standards, are continuing to raise? The players in the sector vary from mondial operating multinationals to 1-man companies. No matter who the service provider is, the expectations of the passengers remain the same. Will the service provided in urban transport be comparable with the service needed in long distance transport? Will the supply of value adding systems be the same in the much smaller sector of coach tourism? In 5 presentations coming from 5 different stakeholders in the bus- and coachsector, the needs, wishes and restraints towards ITS will be clarified. This as an introduction for an open debate with ITS providers.

Organiser

Jan Deman, BUSWORLD ACADEMY, Belgium

Moderator

Rasmus Lindholm, ERTICO - ITS EUROPE

Speakers

Suzanne Hoadley, POLIS Network, Belgium

Roger Kesteloot, De Lijn, Belgium

Vincent Van Quickenborne, City of Kortrijk, Belgium

Jean-Louis Laville, CRT Normandie, France

Marc Renouprez, Keolis, France

SIS45 - Attractive cities and new transport concepts.

Thursday 8 October 2015 - 13:30 - 15:00

HALL2 - Room 5

TOPIC: 4. Urban Trends Driving ITS changes

A key note speech will set the scene. The key note will address new transport concepts such as C-ITS, automated driving and mobility as a service. The concepts will be set in a context of urban development and address not only what impact the concepts will have on the urban environment but also how cities should act to ensure attractiveness. The speech will be followed by a round table that will reflect on the key note presentation and discuss what the research needs are as well as what policy actions are required.

Organiser

Eva Schelin, VINNOVA, Sweden

Moderator

Eva Schelin, VINNOVA, Sweden

Speakers

Raine Hermans, TEKES, Finland

Ingolf Schädler, Bundesministerium für Verkehr, Austria

Inger Gustafsson, VINNOVA, Sweden

SIS46 - Accelerating ITS deployment by creating a more diverse workforce

Thursday 8 October 2015 - 13:30 - 15:00

HALL2 - Room 6

TOPIC: 5. Solutions for Sustainable Mobility

Technology is no longer the Big Issue for ITS. What counts now is understanding the needs of users, having a full awareness of costs and benefits, and finding ways of deploying ITS which are acceptable and affordable. This puts emphasis on getting maximum gain from areas that have not been looked at seriously as yet. This session will be a panel discussion about the benefits of diversity in the ITS workforce and how to achieve it. The Session will be accompanied by an Award for "Best Idea to Create a Diverse, Representative ITS Workforce".

Organiser

Jennie Martin, Network of National ITS Associations/ ITS United Kingdom, United Kingdom

Moderator

Natalia de Estevan Ubeda, Transport for London, United Kingdom

Speakers

John Collura, University of Massachusetts Amherst, United States

Martin Russ, AustriaTech, Austria

Jane Lappin, US DOT, United States

Klara Adolphson, VINNOVA, Sweden

Susan Harris, ITS Australia, Australia

SIS47 - Improving Motorway Management and Operations with Floating Car Data

Thursday 8 October 2015 - 13:30 - 15:00

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Several Road Operating Authorities continue to improve the safety, reliability and efficiency of their motorways through innovative uses of Floating Car Data (FCD). This session will gather leading motorway management professionals to describe how privately sourced FCD is improving real-time operations, communications with travelers, motorway performance measurement and planning. The session will also explore the need for and status of services powered by Extended Floating Car Data (xFCD), in particular reviewing the latest developments in the use of xFCD data in providing valuable road weather conditions to drivers at scale, as well as the impact that these technologies have on road operators.

Organiser

Rick Schuman, INRIX, United States

Moderator

Rick Schuman, INRIX, United States

Speakers

Dominic Paulo, Mouchel, United Kingdom

Ulrich Haspel, Bavarian Road Administration, Germany

Akira Iihoshi, Honda, Japan

Darcy Bullock, Purdue University, United States

George Schoener, I-95 Corridor Coalition, United States

Mark Pendergrast, United States

SIS48 - My cloud, your cloud, our clouds

Thursday 8 October 2015 - 15:30 - 17:00

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

We are approaching a world marked by connected and automated cars and trucks. At the same time, many countries enjoy a highly fragmented traffic system with different players and legacy systems. This poses big challenges on how to handle data exchange. Standardization is important but takes a long time. To keep pace with the rapid technology evolution and accelerating requirements we need to think in new ways. One direction is to learn from the open internet principles, where proprietary governed networks are loosely connected. This has paved the way for continuous innovation. How to translate such concepts to the ITS domain? Diverse speakers from thought-leading organizations share their views on the way forward on generating, sharing and exploiting data.

Organiser

Sander Maas, Ericsson, Netherlands

Moderator

Olle Isaksson, Ericsson, Sweden

Speakers

Matthew Barth, University of California, United States

Bernd Datler, ASFINAG, Austria

Risto Kulmala, Finnish Transport Agency, Finland

Representative from Volvo, Sweden

Friedhelm Ramme, Ericsson, Germany

SIS49 - National road authorities' strategies to support the development towards automation

Thursday 8 October 2015 - 15:30 - 17:00

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Automation is on the way and there is strong belief that it will deliver against transport and traffic political goals, especially traffic safety goals. Here, the national road authorities have an important role to play, as they often are early adopters and fore-runners when it comes to new thinking, tools and technologies. Governmental initiatives will be described that contains strategic and tactical plans related to development and deployment of automation as well as actions to facilitate automation via different instruments such as research, demonstrations and financial support. This session will give a broad presentation of initiatives from all three regions.

Organiser

Bengt Hallström, Swedish Transport Administration, Sweden

Moderator

Juhani Jääskeläinen, ITS Adviser, Finland

Speakers

Tomas Levin, Norwegian Public Roads Administration, Norway

Carl Andersen, Department of Transport, United States

Risto Kulmala, Finnish Transport Agency, Finland

Tomoyuki Tanuma, Government of Japan, Japan

Bengt Hallström, Swedish Transport Administration, Sweden

SIS50 - What is old is new again! Reinvention of traditional transport services

Thursday 8 October 2015 - 15:30 - 17:00

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

Traditional transport services are being reinvented with the deployment of technology. Taxis, ridesharing and shuttle bus service have become Uber, Lyft and Bridg for example. Not only does the technology appear to be part of the appeal, but there may be other reasons why more travellers seem willing to try these reinvented services. This session will explore what makes these new services appealing, how they are being modified to adapt to travellers needs and the role that technology plays in these services.

Organiser

Carol Schweiger, Schweiger Consulting LLC, United States

Moderator

Carol Schweiger, Schweiger Consulting LLC, United States

Speakers

Masami Takahashi, Uber, Japan

Pekka Eloranta, Mobisoft, Finland

Kari Watkins, Georgia Institute of Technology, United States

Arnd Batzner, Mobility Car Sharing, Switzerland

SIS51 - Traffic signal control systems for 4th generation

Thursday 8 October 2015 - 15:30 - 17:00

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

This session will present the R&D framework of the next generation traffic signal control system utilizing information and communication technology to detect the vehicles approaching the intersections instead of the conventional detectors. The detection technology might include the connected vehicle with V2X communication and a few promising sensors installed in the infrastructure. New hardware and software systems are integrated with a innovative concept of control and management algorithms. A methodology of how to test a system on the road would be discussed in terms of performance measures to be evaluated and validated.

Organiser

Young-Jun Moon, The Korea Transport Institute (KOTI), Republic Of Korea

Moderator

Young-Jun Moon, The Korea Transport Institute (KOTI), Republic Of Korea

Speakers

Jongbok Kim, Sane Systems, Republic of Korea

Yukyung Park, ITS KOREA, Republic of Korea

Ilsoo Yun, Ajou University, Republic of Korea

Sangsun Lee, Hanyang University, Republic of Korea

Wonyi Kang, Korea Institute for Construction Technology, Republic of Korea

SIS52 - Training and education in ITS

Thursday 8 October 2015 - 15:30 - 17:00

HALL2 - Room 6

TOPIC: 2. Cooperative ITS Deployment Challenges

The purpose of this session is to make a presentation of worldwide experiences of training and teaching ITS, mainly at the master level, but also on short courses or other training opportunities. An important topic will be to present the possibilities for international training on ITS subjects. The session will gather experienced professors in the field of ITS from various countries (USA, Australia, France, Netherlands, UK). A special attention will be paid to the recent evolutions of ITS and how to integrate them into the new training and education programs. The two following hot topics will be discussed:- How Big Data will change the way of teaching ITS ?- Connected and automated vehicles: teaching ITS 2.0.

Organiser

Romain Billot, IFSTTAR, France

Moderator

Romain Billot, IFSTTAR, France

Speakers

Edward Chung, QUT, Australia

Hesham Rakha, VTTI, United States

Nour-Eddin El Faouzi, IFSTTAR, France

SIS53 - Connected/smart cities promote smart mobility

Thursday 8 October 2015 - 17:15 - 18:45

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

Connected/Smart cities enable information to be shared by multiple agencies and the consumer. This trend includes collecting information from connected buildings, connected roads, connected vehicles, connected utilities, and other connected services. The consolidated information is then leveraged by multiple sectors including the transportation industry. Travellers in a connected city can then monitor and manage their own energy and pollution footprint and make better choices about the best way to travel (e.g., car or transit) or simply get services at home. In this session, policy makers and private sector executives will discuss their concepts of connected cities and how they envision improvements for transportation and mobility services.

Organiser

Hamed Benouar, Sensys Networks Inc., United States

Moderator

Hamed Benouar, Sensys Networks Inc., United States

Speakers

Farhad Pooran, Schneider Electric, United States

Hamilton Purdie, Mott MacDonald, United Kingdom

SIS54 - Radio communication technologies for automated driving

Thursday 8 October 2015 - 17:15 - 18:45

HALL2 - Room 221

■ TOPIC: 6. Automated Roads, Automated Management, Automated Driving

In this session, the speakers invited from Europe, the United States, Japan, and the automaker will report current status of their ITS radio communication policies, standards and technologies. Especially, In Japan, 700 MHz band Vehicle to Vehicle (V2V) Communication and Vehicle to Infrastructure (V2I) Communication will be in operation soon. The 5.9 GHz Wireless Access in Vehicular Environments (WAVE) will also be used soon in Europe and North America.

Organiser

Takahiro Ueno, Ministry of Internal Affairs and Communications (MIC), Japan

Moderator

Satoshi Oyama, Association of Radio Industries and Businesses, Japan

Speakers

Takahiro Ueno, Ministry of Internal Affairs and Communications (MIC), Japan

SIS55 - A tool box of ITS services for transport corridors and their urban interfaces

Thursday 8 October 2015 - 17:15 - 18:45

HALL2 - Room 223

■ TOPIC: 3. Multimodal Transport for People and Goods

There are limited possibilities of satisfying a growing transport demand with new infrastructure, even in prioritised transport corridors. High traffic loads also bring increasing incident sensitivity while industry and citizens have high expectations on reliable transport facilities from door to door. So, there has to be enough capacity for freight transport in the urban interface for both bypasses and arriving or departing transport including access to modal shift. In addition, environmental and traffic safety objectives cannot be compromised. A toolbox with relevant ITS services and a well-balanced set of those services will improve corridor performance in the urban interface.

Organiser

Arne Lindeberg, Swedish Transport Administration, Sweden

Moderator

Jonas Sundberg, ITS Sweden, Sweden

Speakers

Suzanne Hoadley, POLIS Network, Belgium

Ingemar Moen, Closer / Lindholmen Science Park, Sweden

Arne Lindeberg, Swedish Transport Administration, Sweden

SIS56 - Game mechanics: serious games and ict simulation as tools for competitive ITS

Thursday 8 October 2015 - 17:15 - 18:45

HALL2 - Room 231

■ TOPIC: 2. Cooperative ITS Deployment Challenges

This session will tackle in-depth the issue of non-technological barriers for the deployment of ITS, which remain an important issue and requires actions such as training, as awareness raising and acceptability. Existing initiatives are not satisfactory and the use of traditional tools is not reaching the targeted public. Innovative methods are currently developed in a large project involving stakeholders in companies, academics, local authorities, citizens, and developing new methodologies and tools such as serious games, smart phones applications, participative platforms. Several EU projects have worked on these issues and this session aims at launching the basis of innovative methods by exchanging between key stakeholders in the SIS. The SIS will elaborate on previous discussions on Games Mechanics and will be the next step for a joint initiative and international project to create the future ITS ACCELERATORS tools for supporting the ITS market in Europe and beyond.

Organiser

Isabelle Dussoutour, ID4car, France

Moderator

Isabelle Dussoutour, ID4car, France

Speakers

Laurie Pickup, Vectos, Italy

Alain Somat, University of Rennes, France

Jonathan Feldman, University of Michigan, United States

Richard Harris, Xerox, United Kingdom

Christophe Lobert, GNFA, France

Isabelle Dussoutour, ID4car, France

SIS57 - ITS for global mega events

Thursday 8 October 2015 - 17:15 - 18:45

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

This session will present how ITS takes the global mega events (e.g. World Cup Soccer, Olympic Games, etc.) which generate additional travel demands and have significant impacts on transport systems in the host cities and regions. Managing transport systems before and during a global mega event obviously is a big challenge in ITS area. Speakers from around the world who are operators of public transport, provider of ITS services with traveller information or transport planner for mega events will introduce their experiences with transport services for the Olympic Games 2012 in London, 2014 in Sochi, 2018 in PyeongChang, 2020 in Tokyo, and World Cup Soccer 2014 in Brasil.

Organiser

Young-Jun Moon, The Korea Transport Institute (KOTI), Republic Of Korea

Moderator

Young-Jun Moon, The Korea Transport Institute (KOTI), Republic Of Korea

Speakers

Young-Jun Moon, The Korea Transport Institute (KOTI), Republic Of Korea

Byungnam Lee, PyeongChang Organizing Committee for Olympic Games (POCOG), Republic of Korea

SIS58 - Traffic sensing by various manners

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 2

TOPIC: 5. Solutions for Sustainable Mobility

Traffic sensing is the key for traffic monitoring. Traditionally, sensing devices, such as loop counter and ultrasonic detector, are embedded into the road infrastructure. Thanks to the ICT technology, traffic volume data created from probe cars or smart-phone applications becomes one of the promising sources for visualizing traffic conditions. Or it may collect from advanced sensing technology such as image processing and active sensing by either OBU or RSU. However, data from different sources have different characteristics. This session will try to bring various approaches in one session and discuss in wide range their advantages and disadvantages from various applications point of views. From the point of traffic control, it may have innovative control strategy with innovative sensing approaches. New and challenging way of traffic control will be discussed from both seed and need sides.

Organiser

Nobuyuki Ozaki, Toshiba Corporation, Japan

Moderator

Nobuyuki Ozaki, Toshiba Corporation, Japan

Speakers

Nobuyuki Ozaki, Toshiba Corporation, Japan

SIS59 - The development and application of the etc and erp technology and their big data

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

This session wants to use panel discussion to sharing the experience in various aspects in upgrading from ETC to ERP around the world. And at the same time attendances can learn from experts from the world in this field. Through exchange of knowledge at ITS, the world can head toward a greener and smarter tomorrow. Due to The technology of ETC and ERP is innovation today, except present the development and technical, how to expand its application, how to use such big data, and how to make it more cost-efficient are the important issues which will be discussed in this session.

Organiser

Sally lai, ITS-Taiwan, Chinese-Tapei

Moderator

Jason Chang, National Taiwan University, Chinese-Tapei

Speakers

Ken Philmus, Xerox, United Kingdom

Ki Han Lee, Seoul Women's University, Republic of Korea

Sampo Hietanen, ITS Finland, Finland

YC Cnang, Far Eastern Electronic Toll Collection Inc., Chinese-Tapei

Andrew Pickford, Hong Kong Transport Technology Consultants, China

Morten Welde, Norwegian Public Roads Agency, Norway

Xiaojing Wang, China ITS Industry Alliance, China

SIS60 - Smart intelligent traffic intersections – how will they leverage the internet of things?

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 221

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Smart Intelligent Traffic Intersections of the Future will speak to the connected car directly and smart traffic signals will communicate with on-board vehicular equipment and roadside equipment to generate In-Vehicle Driver Alerts on software defined dashboards in the car to prevent accidents. Connected vehicles will operate in a connected smart city infrastructure. As connected cities start using more sensor and Internet of Things technologies, how will cars and these smart traffic intersections leverage the Internet of Everything? There are a number of issues which will drive the growth of Connected Car as well as Internet of Things - Technology, Protocols, Spectrum, Security, User Experience and Interoperability. What technology and engineering issues will we see and what will be the business drivers to make this a possibility? This Special Interest Session will be organized in the format of a Round Table with experts leading the various Topic Areas. The format for this Special Interest Session will be Round Table.

Organiser

Harsh Verma, R Systems, United States

Moderator

Harsh Verma, R Systems, United States

Speakers

Harsh Verma, R Systems, United States

SIS61 - The next generation accessible transportation system/services

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

There are a number of efforts around the world researching and developing accessible transportation technologies, including programs led by the United States Department of Transportation, the European Union, Japan and Greece that seek to enhance mobility choices and quality of life for travelers with disabilities through the use of ITS and other advanced technological solutions. However, these efforts are at different levels of research ranging from studies of user needs, development of prototypes, to demonstration and deployment programs. Preliminary collaboration between international researchers have found a great need to build partnerships and leverage complementary research towards a common goal of developing a seamless next generation accessible transportation environment. The session speakers will discuss their views on partnership building to promote an international research collaborative effort that accelerates the development of future of accessible transportation. The speakers will highlight the significance of finding synergies among innovative research, advances, and practices to enhance accessibility for all, including travelers with disabilities.

Organiser

Mohammed Yousuf, FHWA, United States

Moderator

Mohammed Yousuf, FHWA, United States

Speakers

Mohammed Yousuf, FHWA, United States

Masayuki Kawamoto, Toyota, Japan

Angelos Bekiaris, Hellenic Institute of Transport, Greece

Adriano Alessandrini, Università degli Studi di Roma "La Sapienza", Italy

SIS62 - Ensuring global impact and legal value for the certification of c-its systems and services

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

C-ITS certification has been addressed by all continents and several organisations, with various test solutions, are likely to start certifying C-ITS devices in the next future. For a global market, certification procedures should however address common requirements, and in particular stay cost efficient to ensure wide deployment of C-ITS services. The session will present the principles of C-ITS certification procedures as well as the reasons to build up on methodology and standardisation. Needs to carry out trials in a real environment, to complement lab test will also be explained. Furthermore the session will address the legal issue as well the benefits of harmonising the certification frameworks across continents

Organiser

Karlyn Stanley, RAND Corporation, United States

Moderator

Karlyn Stanley, RAND Corporation, United States

Speakers

Walton Fehr

Sebastian Müller

Karlyn Stanley, RAND Corporation, United States

Jörn Edlich

SIS63 - Environmental sustainability through cooperative systems - efforts from the US and Europe

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

Since 2009, the EU and the US have been engaged in joint activities related to environmental applications using connected vehicle technologies. This session intends to inform an international audience of the EU-US joint activities in evaluate the potential of applications in reducing fuel consumption and emissions. The session will start off with a presentation by the EU on the GLOSA project, followed by the US on their GlidePath prototype. Next, is a presentation on data collection/analysis in Compass4D in the EU. The last presentation discusses the joint EU-US demonstration at the 2015 ITS World Congress in Bordeaux.

Organiser

Marcia Pincus, US Department of Transportation, United States

Moderator

Marcia Pincus, US Department of Transportation, United States

Speakers

Josep Maria Salanova Grau, Centre for Research and Technology Hellas - Hellenic Institute of Transport, Lab B3, Greece

Matthew Barth, University of California Riverside, United States

Jaap Vreeswijk, Imtech, Netherlands

Ram Kandarpa, Booz Allen Hamilton, United States

SIS64 - Hacks and attacks: keeping ITS systems safe

Friday 9 October 2015 - 09:00 - 10:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Cyber-attacks on critical ITS infrastructure is a known threat that is rapidly increasing as our systems become more networked and readily accessible to the traveling public. ITS managers must understand these threats and build systems that are resilient to attacks from hackers wanting to disrupt our systems, cyber-terrorists who want to create chaos, and causal pranks that consume precious resources. This session will look at recent attacks on transportation systems and offer ways to create a security aware culture within an ITS organization, adopt best practices to avoid network breaches, and share resources available to ITS operators to help them understand the changing threats.

Organiser

C Douglass Couto, Consultant, United States

Moderator

C Douglass Couto, Consultant, United States

Speakers

Nader Mehravari, Software Engineering Institute (SEI), United States

David C. Miller, United States

Andre Weimerkirch, University of Michigan Transportation Research Institute, United States

SIS65 - Cooperative systems – stakeholder contribution and cooperation

Friday 9 October 2015 - 11:00 - 12:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

The development and focus on cooperative systems is moving us closer to realizing not only major demonstrations and trials but towards real commercial deployment. Multi stakeholder cooperation is essential for progress. Three initiatives demonstrate how stakeholder groups are working together to help accelerate development and deployment. In the USA the University of Michigan Transport Research Institute has launched the Mobility Transformation Centre. In Europe, the European Commission has established a Cooperative ITS Platform. In Japan the government has established a cross-ministerial Strategic Innovation Promotion Program (SIP). This session will consider the work of these stakeholder groups and future international cooperation.

Organiser

Richard Harris, Xerox, United Kingdom

Moderator

Trish Plonski, Xerox, United States

Speakers

Claire Depré, DG MOVE, European Commission

Peter Sweatman, University of Michigan - UMITRI, United States

John Perrachio, United States

Maxime Flament, ERTICO - ITS EUROPE

SIS66 - Enabling harmonized deployment of ITS: Policy, Industry, Operator cooperation

Friday 9 October 2015 - 11:00 - 12:30

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

The quest for harmonized deployment of ITS services is the driving force behind many initiatives worldwide. Policy makers are responsible for making the right investment in technology and industry is already working towards open systems, standards and operating models. This session will bring together leading policy makers, industrialists and operator representatives to consider how recent developments and new thinking can help overcome barriers to harmonized deployment in our cities and countries.

Organiser

Richard Harris, Xerox, United Kingdom

Moderator

Rasmus Lindholm, ERTICO - ITS EUROPE

Speakers

Geraldine Lievre, Xerox, France

Hamad Adel Al Feefi, Ministry of Transport, United Arab Emirates

Klaas Rozema, Imtech, Netherlands

Grace Ong, Land Transport Authority, Singapore

Josef Czako, Kapsch, Austria

Robert Sykora, Siemens AG, Germany

SIS67 - Dynamic map "beyond the local dynamic map"

Friday 9 October 2015 - 11:00 - 12:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

A Dynamic Map (DM), which contains dynamic multi-level traffic information on a geographical map to realize advanced ITS, is a general concept including the Local Dynamic Map (LDM). It may dramatically improve safety, efficiency and comfort of road traffic with stand-alone ITS. The DM can also be seen as a general concept compared to traditional V2I or V2V applications. This SIS gets back to the original concept of DM to demonstrate potential applications that have wide variety of coverage area and space/time resolutions of DM clarify the issues to realize DM applications and discuss how we can overcome those issues.

Organiser

Yoshiki Ninomiya, Nagoya University, Japan

Moderator

Jun Shibata, Japan Digital Road Map Association, Japan

Speakers

Yoshiki Ninomiya, Nagoya University, Japan

Kenya Sato, Doshisha University, Japan

Russel Shields, Ygomi, United States

Takayuki Morikawa, Nagoya University, Japan

Lan Lin, Hitachi Europe Limited, France

Hiroaki Takada, Nagoya University, Japan

SIS68 - Evolution for advanced utilization of video driving recorder to enhance safety management

Friday 9 October 2015 - 11:00 - 12:30

HALL2 - Room 5

TOPIC: 5. Solutions for Sustainable Mobility

Video driving recorder (DR) contributed the reduction of traffic accidents thanks to its capability of scientific traffic accident cause analysis. DR users are facing practical problems: a) life distribution of SD card i.e. a limit of the overwrite number of times, b) an effective utilization of nation-wide big data of frequent abrupt braking spots related to the road infrastructure and c) dilemma between privacy concerns and public safety in handling recorded images. We will share common problems and practical solutions introducing their experiences/observations, and discuss further technical or social/cultural considerations to facilitate user-friendly evolution of DR technology for safety management.

Organiser

Koji Ukena, Japan

Moderator

Sadao Horino, Kanagawa University, Japan

Speakers

Koji Ukena, Japan

Sadao Horino, Kanagawa University, Japan

Takehiro Ohya, Nagoya University, Japan

Joseph Kianianthra, Active Safety Engineering LLC, United States

Yujiro Shimada, Toshiba Corporation, Japan

Engstrom Johan, Volvo, Sweden

Technical/Scientific Sessions

TS01 - Electromobility

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1559** **Simulation platform to coordinate scheduling for charging of full electric vehicles**
Aurelio Díaz de Arcaya, Tecnalía, Spain
- EU - ITS-1822** **I.C.T. Requirements for on-road electric vehicle charging**
Andrew Winder, ERTICO - ITS EUROPE
- AM - ITS-1935** **Management of shared, automated, electric vehicles: charging & pricing strategies**
Donna Chen, University of Texas at Austin, United States
- EU - ITS-2003** **NoLimITS - enable electro mobility with ITS**
Silke Maringer, University of Applied Sciences Saarland, Germany
- EU - ITS-2187** **Emerald: tools for efficient integration of fully electric vehicles in energy grids**
Ioanna Mesogiti, COSMOTE Mobile Telecommunications S.A., Greece
- EU - ITS-2844** **Use of neural networks for estimating EVS battery SOC considering driving style**
Felipe Jiménez, Technical University of Madrid, Spain

TS02 - Driver modelling 1

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1212** **A study on modeling of driver's braking action with NARX neural networks**
Naoki Sawada, Shibaura Institute of Technology, Japan
- AP - ITS-1247** **A study on unsafe change of driving behaviour caused by using driver assistance systems**
Takanori Michishita, Shibaura Institute of Technology, Japan
- AP - ITS-2303** **A study of indexing driving margins for the reduction of driver distraction**
Naoya Sugimoto, FUJITSU TEN, Japan
- AP - ITS-2313** **Analysis of driving behaviour for an application of intelligent roundabout**
Jeongeun Eom, Pukyong National University, Republic of Korea
- EU - ITS-2807** **Monitoring-based driving behaviour modeling for a self-learning car**
Afaf Bouhoute, USMBA university, Morocco

TS03 - Smart routing

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-1377** **SIMON: assisted mobility for older and impaired users**
Eva Muñoz, ETRA I+D, Spain
- AP - ITS-1475** **A new route by enhanced "smart routing" that fits for a characteristic of each driver**
Shinichi Amaya, Clarion Co., Ltd., Japan
- AP - ITS-2301** **A simulation-based analysis on the impact of ITS on tourism city**
Yang Liu, Tsinghua University, China
- AP - ITS-2636** **Extraction of recurrent car trips for personalised push-type traffic information provision**
Toshiyuki Yamamoto, Nagoya University, Japan
- EU - ITS-2806** **Routing service in consideration of traffic situation with data from the german MDM**
Joachim Schade, ifak e. V. Magdeburg, Germany

TS04 - Applications exploiting improved accuracy

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

- EU - ITS-1215** **The add value of differential GNSS accuracy for C-ITS use cases**
Guilhem Autret, CEREMA, France
- EU - ITS-2509** **Improving level crossing safety with satellite technology**
Ari Virtanen, Technical Research Centre of Finland, Finland
- EU - ITS-2563** **Performance assessment of GPS/INS/track database tight coupling for rail applications**
Philippe Brocard, ENAC, France
- EU - ITS-2790** **Idea: a location-based system for innovative hybrid diesel engine applications**
Alfredo Favenza, ISMB, Italy
- AP - ITS-2914** **High precision positioning for vehicle using QZSS in ITS**
Atsuhiko Kagaya, Mitsubishi Electric Corporation, Japan

TS05 - Safety systems 1

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1304** **Study of effectiveness of emergency stop signal system for motorcycle**
Tokujiro Kizaki, Honda R&D Co.,Ltd. Motorcycle R&D Center, Japan
- EU - ITS-1390** **Improving intersection safety with wide area radar sensor**
Luca Perletta, Navtech Radar, United Kingdom
- AP - ITS-1432** **Recognising potential traffic risks through logic-based deep scene understanding**
Naoya Inoue, DENSO CORPORATION, Japan
- EU - ITS-1586** **IMA eCall interoperability between assistance company and public safety answering point**
Antoine Trarieux, Inter Mutuelles Assistance, France
- EU - ITS-1769** **The motorcycle joining the connected mobility future - a new motorcycling era to start**
Filip Sergeys, Honda, Belgium
- AM - ITS-2773** **Improved warning and assistance information from connected vehicle basic safety messages**
Jun Liu, University of Tennessee, United States

TS06 - C-ITS cyber security

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

- AM - ITS-1940** **Smart-phones/USB-connections and vehicle cyber-security**
Hirofumi Onishi, Alpine Electronics Research of America, United States
- EU - ITS-1996** **To a cyber-secure framework for cooperative intelligent transport systems**
Broquaire Erwan, CEREMA, France
- EU - ITS-2170** **On demand security verification in a European context**
Eric Koenders, Imtech Traffic & Infra, Netherlands
- EU - ITS-2629** **Cooperative ITS – architecture and security challenges: a survey**
Pierpaolo Cincilla, SystemX, France
- AM - ITS-2688** **Development of intrusion detection software for ITS network and assets: padlock**
Rakesh Nune, District Department of Transportation, United States

TS07 - Journey time variability

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 221

TOPIC: 3. Multimodal Transport for People and Goods

- AP - ITS-1538** **The impact of information on commuters' departure decision on torrential rain day**
Jun Sakamoto, National Institute of Technology, Gifu College, Japan
- AP - ITS-1711** **Value of journey travel time reliability using smart card data**
Rui Tan, National University of Singapore, Singapore
- AP - ITS-1787** **Disaster recovery of traffic control system by using virtualisation technologies**
Atsushi Edahiro, West Nippon Expressway Company Limited, Japan
- EU - ITS-2051** **Analysis on bus travel time through traffic light intersection**
Riitta Kerminen, Tampere University of Technology, Finland
- EU - ITS-2195** **Mesoscopic dynamic simulation to large scale nuclear and bushfire evacuation scenarios**
Josep Maria Aymami, TSS-Transport Simulation Systems, Spain
- EU - ITS-2244** **Automated performance measurement of predicted arrival times at bus stops in London**
Nigel Hardy, Transport for London, United Kingdom

TS08 - Towards smart mobility

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1657** **Empowering digital cities through interconnected services**
Janne Lahti, VTT, Finland
- EU - ITS-1938** **Intelligent carpooling in rural areas – opportunities and barriers**
Niels Agerholm, Aalborg University, Denmark
- AM - ITS-2169** **ITS is getting smarter, but are we improving mobility?**
Carol Schweiger, Schweiger Consulting LLC, United States
- EU - ITS-2366** **What smart mobility solutions of the future can learn from evolution**
Heimo Haub, EFKON AG, Austria
- EU - ITS-2491** **MyWay personal mobility: from journey planners to mobility resource management**
David Quesada, ENIDE, Spain
- EU - ITS-2789** **Seamless mobility - a disruptive solution for public transport**
Pedro Mauricio Costa, FEUP, Portugal

TS09 - C-ITS deployment issues 1

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1488** **Connected vehicles, connected to what?**
Ian Patey, Mouchel, United Kingdom
- EU - ITS-1511** **The political decision-making process for the deployment of cooperative systems**
Anita Toni, Deloitte, Belgium
- EU - ITS-2150** **Functional and technical architecture of SCOOP@F**
Emilie Petit, CEREMA, France
- EU - ITS-2155** **Optimization study of the roadside units location for connected vehicles in Brittany**
Christophe Desnouailles, CEREMA, France
- AP - ITS-2200** **An integrated smartcard payment platform of mileage accumulation for travel smart rewards**
Chi-Chung Tao, Tamkang Univeristy, Chinese-Tapei
- EU - ITS-2747** **Traffic management, making the shift from control to communicative self-steering**
Paul van Koningsbruggen, Technolution, Netherlands

TS10 - Journey analytics 1

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 5

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1331 A methods of estimating traffic routes of large-sized vehicles utilizing ETC2.0 probe data**
Yukio Shikatani, National Institute for Land and Infrastructure Management, MLIT, Japan
- AP - ITS-1541 A comparison of EV utilisation between Japan and Spain analysing driving style**
Kenta Hara, Mitsubishi Heavy Industries, Ltd, Japan
- AP - ITS-1600 Development of fuel-consumption prediction model by structuring probe car data**
Hiroko Mori, Aichi Shukutoku University, Japan
- EU - ITS-1980 Mobinet – architecture overview of an innovative platform for European mobility services**
Ulf Noyer, German Aerospace Center, Germany
- AP - ITS-2223 Application research of floating car data mining in taxi planning**
Lijian Zhuang, Shenzhen Urban Transport Planning Center Co.,Ltd., China

TS11 - Policies and platforms

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 6

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- EU - ITS-1371 On exploitation of social features in mobility service platforms**
Juho Kostiainen, VTT Technical Research Centre of Finland, Finland
- EU - ITS-1662 User development needs towards open data distribution service digitraffic**
Tomi Laine, Strafica Ltd, Finland
- EU - ITS-2038 Inspire as a driver for up-to-date ITS digital maps in Europe - benefit assessment**
Maria Teresa Borzacchiello, European Commission, Italy
- AP - ITS-2304 Sustainable traffic information policy direction based on public-private cooperation**
Suyun An, ITS KOREA, Republic of Korea
- EU - ITS-2591 A cooperative business approach to ITS: the MOBiNET vision**
Marco Annoni, Telecom Italia S.p.A., Italy
- AP - ITS-2670 The comprehensive plan for cloud-based traffic information service**
Ko-Yu Chen, International Integrated Systems Incorporation, Chinese-Tapei

TS12 - Traffic safety applications

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1756 Development of map matching method for discrete probe data**
Shinya Adachi, Vehicle Information and Communication System Center, Japan
- AM - ITS-1937 Ontario provincial enforcement reporting system**
Jay Jiang, Ontario Ministry of transportation, Canada
- AP - ITS-2332 An online framework for driving data corpus based on symbolisation approach**
Kazuhito Takenaka, DENSO CORPORATION, Japan
- EU - ITS-2635 - Determining the validity time of real time traffic data. Method evaluation**
Valentin Iordache, University Politehnica of Bucharest, Romania
- EU - ITS-2833 Current and future trends in VRY accidents in Europe – why we need ITS solutions**
Andrew Morris, Loughborough University, United Kingdom
- AP - ITS-2863 Analysis of the impact of the traffic states on traffic accident risk**
Satoshi Hyodo, Ehime University, Japan

TS13 - Solutions for vulnerable road users

Tuesday 6 October 2015, 13:30 - 15:00

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1916 Identification of the effects of the presence of a conversation robot on drivers**
Yoshinori Nakagawa, Kochi University of Technology, Japan
- EU - ITS-2227 Towards an intermodal router featuring cycle safety in Berlin**
Philipp Gilka, DLR Deutsches Zentrum für Luft- und Raumfahrt, Germany
- AP - ITS-2325 Development of the force field microscopic simulation model for motorcycle traffic flow**
Tien-Pen Hsu, National Taiwan University, Chinese-Tapei
- EU - ITS-2395 Mobility and comfort of vulnerable road users - impact assessment of ITS**
Charlotta Johansson, Lulea University of Technology, Sweden
- EU - ITS-2513 Combining new data gathering technology to investigate pedestrian movements in cities**
Henri Palm, DAT.Mobility, Netherlands
- AP - ITS-2678 Safe driving guidance on the website of HANK SAFETY NAVI using driving ability test**
Kaechang Park, Kochi University of Technology, Japan

TS14 - Sensors and sensing

Tuesday 6 October 2015, 13:30 - 15:00

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1324 Road surface segmentation based on vertically local disparity histogram for stereo camera**
Shinji Kakegawa, Hitachi, Japan
- AP - ITS-1708 Vehicle weight estimation using smartphone's acceleration data to control overloading**
Phong Nguyen, Hitachi Ltd., Japan
- AP - ITS-1859 Development of an intelligent tire for recognising road conditions**
Yasushi Hanatsuka, Bridgestone, Japan
- EU - ITS-2090 A smart road that warns its manager when cracking**
Celine Lenglet, CEREMA, France
- AP - ITS-2278 Vehicular positioning algorithm based on low cost GNSS/INS with PDAF and EKF**
Joonseong Gim, Hanyang University, Republic of Korea
- AP - ITS-2640 Development of vision-based asphalt pavement management systems using in-vehicle cameras**
Kousuke Matsushima, Kurume National College of Technology, Japan

TS15 - Influencing driver behaviour 1

Tuesday 6 October 2015, 13:30 - 15:00

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-1490 New approaches on network management over long motorway corridors**
Reiner Dölger, Ministerium des Inneren, Rheinland-Pfalz, Germany, Germany
- AP - ITS-1716 Evolving the optimisation of Victorian motorways: the managed motorways framework**
Andrew Somers, Transoptim, Australia
- AM - ITS-1939 Smart recommendation for drivers: a refueling application**
Yunjie zhao, Here, United States
- AP - ITS-2125 Informing drivers on accident risks: a case of Hanshin expressway's web-based tool**
Takashi Kodama, Hanshin Expressway Company Limited, Japan
- AP - ITS-2196 Changing mobility patterns in Tokyo**
Daisuke Oshima, Pacific Consultants Co., Ltd., Japan
- AM - ITS-2774 Using ITS technology to evaluate express lanes in Utah**
Cameron Kergaye, Utah Department of Transportation, United States

TS16 - Safety systems 2

Tuesday 6 October 2015, 13:30 - 15:00

HALL2 - Room 222

■ TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1697** **Is real-time information on heavy rainfall effective for avoiding inundated road section?**
Nobuhiro Uno, Kyoto University, Japan
- AP - ITS-2167** **A vehicle behavioural analysis of the signal pre-warming information provided to the driver**
Toshiyuki Nakamura, Kyoto University, Japan
- AP - ITS-2458** **The effect of traffic safety measures by road marking using driving simulator**
Keiichi Yamamura, Nihonkai Consultant Co.,LTD., Japan
- EU - ITS-2641** **Development of cost efficient ADAS tool platform for automotive industry**
Caterina Calefato, Icoor, Italy
- AM - ITS-2877** **Predictive ADAS, connected cars and autonomous vehicles: eHorizon2.0**
Robert Denaro, ITS Consulting, United States

TS17 - Infrastructure management

Tuesday 6 October 2015, 15:30 - 17:00

HALL2 - Room 1

■ TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1691** **Improvement of ABS control using road friction estimation and tire characteristics**
Takahisa Kamikura, Bridgestone Corporation, Japan
- EU - ITS-1807** **Creating meteorologically aware ITS**
Daniel Johns, Vaisala, United Kingdom
- AM - ITS-2228** **Automatically detecting wrong-way drivers on the highway system**
Sarah Simpson, United Civil Group, United States
- AM - ITS-2793** **Alternative commercial vehicle screening methodologies**
Steve Sprouffske, Kapsch TrafficCom, United States
- EU - ITS-2809** **Have we reached peak roadside infrastructure?**
Jill Hayden, Atkins, United Kingdom
- AP - ITS-2852** **Running-vehicle weighing system for reducing road structure damage**
Itoji Sameda, West Nippon Expressway Company Ltd, Japan

TS18 - Automation demonstrations

Tuesday 6 October 2015, 15:30 - 17:00

HALL2 - Room 2

■ TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1493** **Challenges of deploying automated pods in an urban environment – LUTZ pathfinder project**
Eric Chan, Transport Systems Catapult, United Kingdom
- EU - ITS-1717** **Realised impacts of electronic stability control in Finland**
Risto Öörni, VTT Technical Research Centre of Finland, Finland
- EU - ITS-2060** **Testing autonomous driving vehicles in a mixed environment with pedestrians and bicycles**
Luca Guala, Systematica Mobility Thinklab, Italy
- EU - ITS-2104** **Gateway - Greenwich automated transport environment - testing vehicle automation in London**
Nick Reed, TRL, United Kingdom
- EU - ITS-2427** **Ensuring safety of the LUTZ pathfinder automated vehicle**
Alan Peters, Transport Systems Catapult, United Kingdom

TS19 - Influencing driver behaviour 2

Tuesday 6 October 2015, 15:30 - 17:00

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1457 Evaluation of parking collision avoidance system with integrated electric parking brake**
Chichun Yao, Automotive Research and Testing Center, Chinese-Tapei
- AP - ITS-1886 Analysis of driver behavior in advanced parking assist system**
Ryuji Okamura, Toyota Motor Corporation, Japan
- EU - ITS-2151 Parking management system with dynamic pricing and personalized assistant application**
Balázs Cserhádi, Budapest University of Technology and Economics, Hungary
- AP - ITS-2322 Time-headway information display for reduction of traffic jam**
Tachibana Takahiro, Kyoto University, Japan
- AP - ITS-2440 Study on design of parking guidance sign system in CBD**
Wei Chen, Shenzhen Urban Transport Planning Center Co., Ltd./Shenzhen Key Laboratory of Transport Information & Transport Engineering, China
- EU - ITS-2718 Co-operative intelligent parking service for the Trieste port**
Walter Ukovich, Università degli studi di Trieste, Italy

TS20 - Safety systems 3

Tuesday 6 October 2015, 15:30 - 17:00

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1479 Development of lane tracing assistance system for the tunnel lighting cleaning truck**
Akifumi Shintaku, Centoral Nippon Expressway Company Limited, Japan
- AP - ITS-1609 Development of safe driving support system in expressway incorporating gamenics theory**
Shota Takada, West Nippon Expressway Engineering Kansai Co., Ltd., Japan
- AM - ITS-1750 Identifying suitable warning message from smartphone app to enhance safety in work zone**
Fengxiang Qiao, Texas Southern University, United States
- AP - ITS-2190 Evaluation of safety to display information of traffic signals in vehicles**
Kimihiko Nakano, The University of Tokyo, Japan
- EU - ITS-2842 Evergreen on bike: "green wave" for cyclists on your smartphone**
Arjan Bezemer, DTV Consultants, Netherlands
- EU - ITS-2878 Language technology in the service of intelligent transport systems**
Tamás Váradi, Research Institute for Linguistics, Hungarian Academy of Sciences, Hungary

TS21 - Flow monitoring and management 1

Tuesday 6 October 2015, 17:15 - 18:45

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1659 Assessing social and economic benefits of advanced VICS services**
Toshihiko Oda, Vehicle Information and Communication System Center, Japan
- EU - ITS-1748 Centralised public transport priority**
Maggie O'Donnell, Dublin City Council, Ireland
- AP - ITS-1852 Study on utilisation of probe data in metropolitan cities in India**
Noboru Kondo, East Nippon Expressway Company Limited, Japan
- EU - ITS-1911 Travel time estimation by loops and FCD: a statistical comparison on an urban motorway**
Simon Cohen, IFSTTAR, France
- AP - ITS-2015 Traffic congestion bottleneck detection using probe car data**
Takayuki Akiyama, Hitachi, Ltd., Japan
- EU - ITS-2871 The first experiences with hard shoulder running on motorways in Denmark**
Claus Lund Andersen, Danish Road Directorate, Denmark

TS22 - Machine vision and automated driving

Tuesday 6 October 2015, 17:15 - 18:45

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1364 Pedestrian detection system while turning at intersection by surround monitor camera**
Tokihiko Akita, AISIN SEIKI Co., Ltd., Japan
- EU - ITS-2108 Needs, issues and fine estimation of vergence for self-rectification of stereo-rigs**
Sylvain Bougnoux, imra-europe, France
- AP - ITS-2333 Stereo camera based drivable area detection for autonomous driving**
Takuya Nanri, Nissan Motor Co., Ltd., Japan
- EU - ITS-2357 Embedded platforms for computer vision-based advanced driver assistance systems: a survey**
Gorka Velez, Vicomtech-IK4, Spain
- EU - ITS-2643 Semi-automatic tracking-based labeling tool for automotive applications**
Andoni Cortés Vidal, Vicomtech-IK4, Spain

TS23 - Traffic control and management 1

Tuesday 6 October 2015, 17:15 - 18:45

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1853 The pedestrian control using vehicle arrival prediction information for each recall type**
Takeyoshi Tayamachi, THE NIPPON SIGNAL CO.,LTD, Japan
- AM - ITS-1958 Radar technology – an important traffic signal detection enhancement**
Adam Lyons, Iteris, Inc., United States
- AP - ITS-2296 Effect evaluation of traffic signal control with an intelligent vision sensor**
Daichi Murata, Tokyo Metropolitan Police Department, Japan
- AP - ITS-2305 Efforts for optimising traffic signal control utilising probe data**
Minoru Yamaguchi, Tokyo Metropolitan Police Department, Japan
- EU - ITS-2590 Data fusion of cooperative data with adaptive traffic control**
Robbin Blokpoel, Imtech Traffic & Infra, Netherlands

TS24 - Traffic and traffic incident management

Tuesday 6 October 2015, 17:15 - 18:45

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AM - ITS-2289 Traffic incident management in a connected vehicle world**
Steven Cyra, HNTB Corporation, United States
- EU - ITS-2617 The operational complexity of the energy efficient intersection service**
Paul Mathias, MAT.TRAFFIC, Germany
- AM - ITS-2633 Benefits of adaptive traffic control in recurring and nonrecurring traffic conditions**
Aleksandar Stevanovic, Florida Atlantic University, United States
- EU - ITS-2735 Clusteredswarm: a live swarm based traffic load balancing algorithm against traffic jams**
Christian Stolcis, University of Jena, Germany
- AM - ITS-2740 SPaT and active traffic management strategies for oversaturated signalized intersection**
Zhitong Huang, Mississippi State university, United States
- EU - ITS-2788 V2X for vehicle speed synchronisation at intersections**
Abdeljalil Abbas-Turki, UTBM, France

TS25 - Flow monitoring and management 2

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1376 Real-world field testing of green driving support systems**
Philipp Seewald, Institut für Kraftfahrzeuge, RWTH Aachen University, Germany
- EU - ITS-1434 Algorithm for link travel time estimation on highways**
Jure Pirč, Traffic design, Slovenia
- EU - ITS-1517 A long distance TMP for freight in the URSA major corridor**
Marjolein Masclee, Rijkswaterstaat, Netherlands
- AP - ITS-1825 Signal coordination strategy planning in mixed traffic conditions using simulation**
Neeharika Katta, National Institute of Technology Waranagal, India
- EU - ITS-2106 Alienor: real-time traffic regulation around Bordeaux**
Marie Fabrice, Direction Interdépartementale des Routes Atlantique, France
- EU - ITS-2560 ITS deployment preconditions: the results of SEE_ITS project in Greece**
Panagiotis Iordanopoulos, Center for Research and Technology Hellas - Hellenic Institute of Transport, Greece

TS26 - Concepts in connected automation

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1858 Development of mobility recoder for achieving predictive driving safety support system**
Masaki Koike, Fujitsu TEN Corp., Japan
- EU - ITS-2030 3D processing architecture for the assessment of frontal sensors for ADAS**
Holger Bettag, Ibeo Automotive Systems GmbH, Germany
- AM - ITS-2237 Evaluation and testing of driver assistive truck platooning: phase one results**
Richard Bishop, Bishop Consulting, United States
- EU - ITS-2475 Connected vehicles for automation: from enhanced perception to negotiated manoeuvres**
Filippo Visintainer, Centro Ricerche FIAT, Italy
- EU - ITS-2536 Enabling cooperative automated driving by multi-sensor data fusion with V2V communication**
Marcus Obst, BASELABS GmbH, Germany
- AP - ITS-2637 Autonomous cruise control and platooning in personal mobility vehicles**
Jeffrey Too Chuan Tan, University of Tokyo, Japan

TS27 - Traffic control and management 2

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1632 Application of the system using radio frequency identification detection for various ITS**
Tatsuya Higuchi, Mitsubishi Heavy Industries, LTD., Japan
- AP - ITS-1392 Autonomous optimal route estimation method using smartphone**
Toshio Ito, Shibaura Institute of Technology, Japan
- AM - ITS-1936 New York City current ITS deployment and future prospective**
Mohamad Talas, NYC DOT, Uzbekistan
- AM - ITS-1942 - Use and integration of ITS in the traffic incident management in a developing country**
Juan Manuel Gomez, Traffic Management Center Medellin, Colombia
- EU - ITS-2538 - Modular mobile system for traffic incident management**
Thomas Novak, SWARCO FUTURIT, Austria

TS28 - Real-time positioning applications

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

- AP - ITS-1692** **The detection of black-spot intersections by using event-data-recorder data**
Kentaro Kondo, Fujitsu Ltd., Japan
- AP - ITS-2149** **A cooperative emergency vehicle control strategy based on CVIS**
Xiao Xiao, Tongji University, China
- AM - ITS-2222** **Examining the impact of fog on traffic parameters using weather and traffic sensors**
Yichuan Peng, University of Central Florida, China
- AP - ITS-2330** **Snow-removal operational support using GPS vehicle location management and voice guidance**
Daisuke Tanno, East Nippon Expressway Company Limited, Japan
- EU - ITS-1485** **How GNSS performance standardisation supports the deployment of critical ITS applications**
Francois Peyret, IFSTTAR, France

TS29 - C-ITS deployment issues 2

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1367** **Verification of effectiveness for signal information drive systems**
Yasushi Domae, National Police Agency, Japan
- EU - ITS-1900** **Introduction of the smart digital tachograph**
Philippe Hamet, EUROPEAN COMMISSION, Belgium
- EU - ITS-1986** **Sustainable mobility - possible technical developments in road user charging**
Karl-Gerhard Freyer, Rapp Trans (DE) AG, Germany
- EU - ITS-2087** **ITS-systems as metaphors for the idealized planner**
Björn Hasselgren, KTH Royal Institute of Technology, Sweden
- EU - ITS-2392** **Methodological framework for evaluating intelligent transportation systems: COMPASS4D**
Simon Edwards, Newcastle University, United Kingdom
- EU - ITS-2893** **Urban mobility lab Vienna two: a new instrument tackling the C-ITS deployment challenge**
Walter Aigner, HiTec, Austria

TS30 - Infrastructure improvements and deployment

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 211

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1753** **Regional ITS service model proposed by the LRT navigator**
Hitoshi Morita, University of Nagasaki, Japan
- AP - ITS-1856** **Development of unbalanced load and vehicle axle load measurement system on expressway**
Naoya Suzuki, Centoral Nippon Expressway Company Limited, Japan
- EU - ITS-2023** **Final outcome of FOTsis project: intelligent road weather & GIS services for end-users**
Evgeny Atlaskin, Finnish Meteorological Institute, Finland
- AP - ITS-2183** **Visibility assessment of pro-beam road lighting on the road**
Toru Hagiwara, Hokkaido University, Japan
- AP - ITS-2361** **Development of V2I cooperative right-turn collision caution system for commercialisation**
Kazuhiro Morimoto, Toyota Motor Corporation, Japan
- AM - ITS-2817** **The role of the traveler in future improvement and management of roadways**
Greg Yova, Qvision Technology, United States

TS31 - Pilot projects for ITS

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-2070 Performance simulations at Bordeaux test site in the framework of COMPASS4D project**
Louahdi Khoudour, CEREMA, France
- AP - ITS-2133 Verification of the effects on signal information drive system**
Yoshinori Kinoshita, Honda R&D Co., Ltd. Automobile R&D Center, Japan
- EU - ITS-2394 Dutch innovation through cooperative projects: Brabant in-car III**
Rien Knaap, OC Mobility Coaching, Netherlands
- EU - ITS-2503 SCOOP@F pilot a large field test before C-ITS deployments by OEMs**
Alain Servel, PSA, France
- EU - ITS-2700 Pilot operation management system**
Josep Maria Salanova Grau, Center for Research and Technology Hellas - Hellenic Institute of Transport, Greece
- EU - ITS-2761 SCOOP@IdF : implementation of cooperative systems for a road operator**
Marie-Christine Esposito, DiRIF, France

TS32 - Freight and logistics 1

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 5

TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1816 Intelligent truck parking in Bavaria – data acquisition and information of the drivers**
Ulrich Haspel, Bavarian Road Administration, Germany
- AP - ITS-1955 Identifying overweight vehicles crossing the Auckland harbour bridge**
Ian Leach, Auckland Motorways, New Zealand
- EU - ITS-2009 Implementation of advanced ICT solutions for multimodal freight transport collaboration**
Antti Permalu, VTT Technical Research Centre of Finland, Finland
- EU - ITS-2261 Zigbee based outdoor localisation system: a case of tracking shipping containers**
Lawrence Henesey, Blekinge Institute of Technology, Sweden
- EU - ITS-2374 Smart freight : ITS for transportation of goods and logistics**
Dominique Vankemmel, AD'MISSIONS, France
- AP - ITS-2490 Research and developing of heavy vehicles effective control using ITS**
Hideyuki Wakishima, CTI Engineering, Co.Ltd, Japan

TS33 - Information provision and data analytics

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 6

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1430 Web based probe information system and ITS implementations**
Hiroyuki Kumazawa, Osaka Sangyo University, Japan
- AM - ITS-1467 Automatic data discarding based on pearson's method: applications on intelligent vehicles**
Arthur Miranda Neto, Federal University of Lavras (UFLA), Brazil
- AP - ITS-1505 Dynamically pushing traffic information by predicting user requirements**
Yu-Hsiang Chuang, Chunghwa Telecom Laboratories, Chinese-Tapei
- AM - ITS-1625 Transportation big data analytics – lessons learnt and prototype simulation**
Harsh Verma, R Systems, United States
- AP - ITS-1768 A study of applying optimal data accumulation for big data**
Yuichi Takayanagi, Panasonic System Networks co.,Ltd, Japan
- AM - ITS-2257 Characterizing directional corridors groups based on probe vehicle data**
Thomas Brennan, The College of New Jersey, United States

TS34 - Freight data

Wednesday 7 October 2015, 09:00 - 10:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-2432** **A study of an irregular event detection using the DSRC OBU probe system with GPS receiver**
Tatsuyuki Negishi, Panasonic Corporation, Automotive & Industrial Systems Company, Japan
- EU - ITS-2572** **Big data to evaluate effects of ITS-implementation on the river Göta Älv - GOTRIS project**
Per-Erik Holmberg, Viktoria Swedish ICT, Sweden
- AP - ITS-2686** **Analysis of road network efficiency by using freight vehicles' probe data**
Takahiro Tsukiji, National Institute for Land and Infrastructure Management, MILT, Japan
- AP - ITS-2821** **Development of a traffic analysis of by using probe data collected from freight cars**
Mutsuo Kawakami, CTI Engineering Co.,Ltd, Japan
- EU - ITS-2846** **Regulatory ITS telematics framework for heavy vehicles**
Sten Wandel, Lund University, Sweden

TS35 - Flow monitoring and management 3

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1472** **The impact of speed enforcement in combination with variable speed limits on traffic flow**
Johannes Kupper, Physikalisch-Technische Bundesanstalt, Germany
- AP - ITS-2188** **A demonstration of traffic control algorithm analysis in the field**
Christian Chong-White, Roads and Maritime Services, Australia
- AP - ITS-2382** **Effect of acceleration information provision of pre-preceding vehicle in starting**
Hiroki Sakurai, Keio University, Japan
- EU - ITS-2449** **Design of a dynamic speed limit system in Lille implemented in A25 suburban motorway**
David Gil, CEREMA, France
- EU - ITS-2664** **Signal phase and timing (SPaT) for cooperative public transport priority measures**
Marcin Seredynski, Luxembourg Institute of Science and Technology, Luxembourg
- AP - ITS-2911** **Tram signal priority using progression model**
Younge Jeong, Korea Road Traffic Authority, Republic of Korea

TS36 - Legislation and regulation

Wednesday 7 October 2015, 11:00 - 12:

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1469** **General outstanding considerations on legal issues applied to autonomous vehicles**
Andrea Martinesco, VEDECOM, France
- EU - ITS-1656** **Dutch legalisation for automated driving**
Gerben Feddes, RDW, Netherlands
- AM - ITS-2122** **Road vehicle automation: how to best realise ITS social benefits**
James Anderson, RAND Corporation, United States
- AM - ITS-2265** **Regulatory challenges for road vehicle automation: lessons from the California experience**
Steven Shladover, University of California at Berkeley, United States

TS37 - Traffic control and management 3

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-2286** **Validity of application software as a tool for providing interactive area information**
Keisuke Saito, CTI Engineering Co., Ltd., Japan
- EU - ITS-2445** **Smart motorways, how did we get here, how smart are they, what next?**
Ian Patey, Mouchel, United Kingdom
- EU - ITS-2646** **New approach to improve knowledge and quality of topological and regulatory road data**
Marc Desthieux, ACTRIS, France
- AP - ITS-2721** **Evaluation of the graphic VMS providing route information on motorways**
Yoshiyasu Murashige, Japan Express Research Institute Inc., Japan
- EU - ITS-2939** **Service-oriented approach to the implementation of TMS - management of services**
Robert Trojanek vel Trojanowski, General Directorate for National Roads and Motorways, Poland

TS38 - GNSS in constrained environments

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

- EU - ITS-1455** **Location accuracy beyond GNSS the HIGHTS project (h2020)**
Paul Spaanderman, PaulsConsultancy, Netherlands
- EU - ITS-1509** **Spring a 3D-simulator for estimating performances of a GNSS receiver in urban environment**
Thierry Chapuis, CNES, France
- AP - ITS-1652** **A robust WiFi fingerprinting-based vehicle positioning system for heterogeneous devices**
Lei Wang, Institute for Infocomm Research (I²R), Agency for Science, Technology and Research (A*STAR), Singapore
- EU - ITS-1610** **Image processing for a more accurate GNSS-based positioning in urban environment**
Juliette Marais, IFSTTAR, France
- EU - ITS-1721** **Particle filter methods in GNSS-based road user charging**
Ola Lykkja, Q-Free ASA, Norway
- EU - ITS-1777** **FOSTER ITS, a trusted module to secure ITS application**
Alexandre Allien, FDC, France

TS39 - C-ITS deployment issues 3

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1661** **Traffic light assistance in Trondheim - day one application of C-ITS**
Orjan Tveit, NPRA, Norway
- EU - ITS-2775** **Deployment of cooperative ITS in France SCOOP@F – general outline of the project**
Eric Ollinger, MEDDE, France
- EU - ITS-2782** **Cooperative ITS on Hessian roads**
Carsten Kühnel, Hessen Mobil - Road and Traffic Management, Germany
- AP - ITS-2811** **Road-to-vehicle communication using CoMoSE for road surface freezing information system**
Go Hirakawa, Iwate Prefectural University, Japan
- EU - ITS-2860** **The L2 - Beltway of Marseille: an innovative TMS and a decision support tool**
Sylvain Nachef, Bouygues Energies Services, France
- AM - ITS-2946** **Innovative partnerships and sustainable business models in the age of CV and AV**
Arya Rohani, Stantec, United States

TS40 - Testing and measurement of applications

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

- AM - ITS-1154** **Technical aspect of stolen vehicle tracking and recovering**
Hirofumi Onishi, Alpine Electronics Research of America, United States
- EU - ITS-2156** **Standard quality checks for weigh-in-motion data**
Hans van Loo, Corner Stone International Sagl., Switzerland
- EU - ITS-2375** **Coordinated ramp metering with destination specific priorities for partial inflows**
Amir Meshkat, TU Delft, Netherlands
- AP - ITS-2481** **Road surface management by simplified roughness measuring system**
Takanori Uesugi, East Nippon Expressway Company Limited, Japan
- EU - ITS-2606** **Joint use of mobile and ITS data networks**
Eric Koenders, Imtech Traffic & Infra, Netherlands
- EU - ITS-2658** **An integral approach to autonomous and cooperative vehicles development and testing**
Igor Passchier, Tass International, Netherlands

TS41 - Freight and Logistics 2

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 5

TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1836** **Blue wave: better utilisation of road and waterway infrastructure**
Giovanni Huisken, MAP Traffic Management, Netherlands
- EU - ITS-2198** **Intelligent intermodality and air-quality management in five ports with hinterland**
Yorgos Stephanedes, University of Patras, Greece
- EU - ITS-2701** **Caster - automatic access control systems for logistics and transportation areas**
Paolo Guarnieri, Autostrade Tech S.p.A., Italy
- EU - ITS-2732** **A multimodal cargo service for freight traffic in the Trieste port**
Walter Ukovich, Università degli studi di Trieste, Italy
- EU - ITS-2855** **Optimising goods management based on the link of cooperative systems and logistics systems**
Germán Herrero, Atos Spain, Spain
- EU - ITS-2906** **The ports of Stockholm goes ITS**
Peter Wessel, Iterio AB, Sweden

TS42 - Public transport analytics

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 6

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1420** **Analysis of public transport commuters' travel characteristics based on smart card data**
Shichao Sun, Tongji University, China
- EU - ITS-1483** **Improving usability of open public transportation data**
Paula Syrjärinne, University of Tampere, Finland
- EU - ITS-1982** **Urban mobility informed through big data analytics**
Richard Harris, Xerox, United Kingdom
- AM - ITS-2902** **Big data approach for ITS solution in public transportation: case construction of O/D matrix**
Luis Felipe Herrera Quintero, Universidad Piloto de Colombia, Colombia

TS43 - User behaviour

Wednesday 7 October 2015, 11:00 - 12:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1145 Modeling driving aggressiveness considering road shape and driving situation**
Kengo Akaho, Mitsubishi Electric Corporation, Japan
- AP - ITS-1959 Implementing monitoring of abnormal traffic**
Shotaro Ohira, Sumitomo Electric System Solutions Co., Ltd., Japan
- AP - ITS-2194 An integration scheme of CV and PFLOW activated by human care mechanism**
Mikio Sasaki, DENSO CORPORATION, Japan
- AP - ITS-2498 Preliminary analysis on the resting behavior of expressway users with ETC data**
Shoichi Hirai, Nippon Expressway Research Institute Company Limited., Japan
- EU - ITS-2564 Evaluation of a collaborative mobile application in driving context**
Annie Pautie, IFSTTAR, France
- AP - ITS-2913 Verification of the driver behavior during an earthquake by utilising driving simulator**
Shigeyuki Yamabe, Tohoku University, Japan

T44 - Reducing environmental impact 1

Wednesday 7 October 2015, 16:00 - 17:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1779 Air pollution peaks detection and traffic policies assessment: the INTEGREEN project**
Roberto Cavaliere, TIS Techno Innovation South Tyrol Scpa, Italy
- EU - ITS-1784 Intelligent performance-enhanced green vehicle consumption prediction**
Evgenia Adamopoulou, ICCS - Institute of Communication and Computer Systems, Greece
- EU - ITS-1887 Microscopic simulation of eco-driving systems using real-world vehicle models**
Isabel Wilmink, TNO, Netherlands
- AM - ITS-1952 Vehicle energy management optimisation through digital maps and connectivity**
Dominik Karbowski, Argonne National Laboratory, United States
- EU - ITS-2517 Air pollution measurement in tunnel using low cost sensors**
Salim Srairi, CEREMA Dter Ile-de-France, France
- EU - ITS-2738 Driving patterns reducing pollutant emission at traffic lights**
Daniel Krajzewicz, German Aerospace Center, Germany

TS45 - Control algorithms

Wednesday 7 October 2015, 16:00 - 17:30

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-2089 Human driving behavior**
Dongwook Jang, HERE/Nokia Inc. USA, United States
- AP - ITS-2181 Optimal lane change start point positioning control for advanced lane change assist system**
Jinsoo Kim, Hanyang University, Republic of Korea
- AP - ITS-2619 Methods to reduce the nodes of multi-hypothesis map matching algorithm**
Kai Zhang, Tsinghua University, China
- AM - ITS-2803 Bayesian network based collision avoidance system**
Rawa Adla, University of Detroit Mercy, United States
- EU - ITS-2836 A cooperative control architecture for automated driving systems**
Chunshi Guo, Renault, France
- AP - ITS-2916 Driving safety field based collision warning algorithm in complex traffic environments**
Jianqiang Wang, Tsinghua University, China

TS46 - Traffic control and management 4

Wednesday 7 October 2015, 16:00 - 17:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-2028 Congestion recognition, traffic network monitoring and control based on open data sources**
Laura Niittylä, Mattersoft, Finland
- AP - ITS-2130 Analysis on stopping behavior at countdown traffic signal based on observation survey**
Motohiro Fujita, Nagoya Institute of Technology, Japan
- EU - ITS-2634 Naturalistic driving behavior at inner-city intersections**
Thomas Streubel, Adam Opel AG, Germany
- AP - ITS-2749 Distributed acoustic sensing technology for congestion and incident management**
Henry Wu, JYW Consulting, Australia
- AM - ITS-2869 Using waiting time in traffic lights to decrease travel time for intelligent vehicles**
Ricardo Reghelin, Instituto Federal Catarinense - IFC, Brazil

TS47 - Real world challenges and opportunities

Wednesday 7 October 2015, 16:00 - 17:30

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

- AP - ITS-1322 Method for facilitating extraction of areas of vegetation using satellite images & 3D map**
Tomoya Hasegawa, Shizuoka University, Japan
- EU - ITS-1733 Improving efficiency of heavy goods vehicles movement in urban environments**
Teresa Raventos, University of Leicester, United Kingdom
- AP - ITS-1757 Examination of GNSS positioning accuracy in high-speed travel**
Akira Watanabe, Nippon Expressway Research Institute Company Limited, Japan
- EU - ITS-2785 E-GNSS for the intermodal transport of dangerous goods**
Antonella Di Fazio, Telespazio, Italy
- EU - ITS-2839 Some key market access conditions for GNSS-based ITS applications**
Anne Le Calvé, CAPITAL HIGH TECH, France

TS48 - Driver Behaviour

Wednesday 7 October 2015, 16:00 - 17:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1332 Human factors and driving assessment of 100 senior drivers for delaying driving cessation**
Misako Yamagishi, Nagoya University, Japan
- EU - ITS-1680 Driver speech enhancement under heavy car noise and interferences**
Sacha Vrazic, IMRA EUROPE SAS, Germany
- AP - ITS-1729 Heart rate monitoring on steering wheel using surface type sensor**
Hiroshi Chigira, NTT Corporation, Japan
- EU - ITS-2075 Visual information search: gaze transitions of older drivers and expert drivers.**
Amy Guo, Newcastle University, United Kingdom
- AP - ITS-2378 Fundamental study on wide area road traffic information of VICS based on driver workload**
Kazuto Fueki, Keio University, Japan

TS49 - Journey planning and mode choice

Wednesday 7 October 2015, 16:00 - 17:30

HALL2 - Room 6

TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1408 VAO: empowering Austrian traffic applications with a multi-modal traffic service platform**
Tobias Schleser, CNS-Solutions & Support GmbH, Austria
- EU - ITS-1452 An innovative mobility service to facilitate changes in travel behavior and mode choice**
Jana Sochor, Chalmers University of Technology, Sweden
- EU - ITS-1984 Towards French journey planners interoperability**
Jean Seng, Ministry of Transport AFIMB, France
- EU - ITS-2532 Car-smartphone interoperable navigation system for multimodal mobility and carpooling**
Arnaud Koustanai, VEDECOM, France
- EU - ITS-2757 Enabling next generation transport infrastructure: TM 2.0 paradigm**
Laura Cocone, SWARCO MIZAR, Italy

TS50 - Data management and analysis 1

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1429 Continuity and empirical data replication in a traffic model for sustainable mobility**
Maurice Aron, IFSTTAR, France
- EU - ITS-2141 Public authorities support for a large scale data infrastructure for mobility (LASDIM)**
Alain Dupéret, Institut national de l'information géographique et forestière (IGN), France
- AP - ITS-2582 An introduction of travel time service based on ETC data**
Yotaro Nagai, West Nippon Expressway Company Limited, Japan
- EU - ITS-2687 Investigation of value-added services processing on urban data**
Stephan Borgert, the urban institute, Germany
- EU - ITS-2708 Factors affecting the accuracy of video image detector data based on the periodic check**
Sang Hyup Lee, Korea Institute of Construction Technology, Republic of Korea

TS51 - Innovative technologies

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1298 Thick client or thin client: comparing the mobile data network usage through simulations**
Bernd Pfitzinger, Toll Collect GmbH, Germany
- AM - ITS-1829 Electronic toll collection operators in private highways of Mexico**
Daniel Diaz de Vivar, Mexico
- EU - ITS-1921 Toll system in indetection of overweight cargo vehicles. Use of traffic management data**
Karel Feix, Kapsch Telematic Services, Czech Republic
- EU - ITS-2199 A hierarchical, subsidiary system architecture for traffic control with connected vehicles**
Andreas Kuhn, ANDATA, Austria
- AP - ITS-2319 Practical steering control for an autonomous docking based on path following**
Toshiyuki Sugimachi, The University of Tokyo, Japan
- EU - ITS-2422 Enhanced map data to support highly accurate vehicle localization for automated driving**
Stephen T'Siobbel, TomTom, Netherlands

TS52 - Timetabling, ticketing and payment

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-1175 Innovation in integrated ticketing and payment systems: scenario in Europe and Brazil**
Guido Di Pasquale, Pluservice, Italy
- EU - ITS-2441 Transnational exchange of timetable and GIS data as a basis for cross-border ITS services**
Klaus Heimbuchner, Verkehrsverbund Ost-Region (VOR) GmbH / ITS Vienna Region, Austria
- EU - ITS-2460 ITS in urban transportation -the work of European Commission ITS urban experts group**
Steve Kearns, Transport for London, United Kingdom
- AM - ITS-2724 The benefits, technology and challenges of all electronic toll systems**
Chris Body, Kapsch TrafficCom IVHS, United States
- EU - ITS-2850 Urban trends and intermodal mobility services beyond technical feasibility**
Wibke Michalk, BMW AG, Germany

TS53 - Improved positioning using data fusion

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

- AP - ITS-1878 Development of ADAS sensors-integrated V2X safety systems**
Manbok Park, Mando, Republic of Korea
- EU - ITS-1987 Needs, measurements and solutions for highly reliable positioning**
Joaquín Cosmen Schortmann, GMV, Spain
- EU - ITS-2484 Developing and operation EGIS GLONASS +112 system in the republic of Tatarstan**
Renata Khafizova, Ministry of Transport, Russian Federation
- EU - ITS-2492 Positioning accuracy of vehicle trajectories for road applications**
Pierre-Yves Gilliéron, EPFL, Switzerland
- AM - ITS-2675 Sensors fault detection architecture in a strongly uncertain environment**
Nicolas Pous, Université de Sherbrooke, Canada

TS54 - Flow management and modelling

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1519 A transition from car-following to vehicle-following model**
Odd Andre Hjelkrem, NTNU, Norway
- AM - ITS-2173 A guide to effectively use commercially available safety monitoring technologies**
Matt Camden, Virginia Tech Transportation Institute, United States
- AP - ITS-2351 Verifying traffic measures leveraging traffic simulation techniques**
Yoshiharu Yahata, Tokyo Metropolitan Police Department, Japan
- EU - ITS-2570 Towards autonomic transport systems in a multi-modal environment**
Dihya Atmani, IFSTTAR, France
- AM - ITS-2755 Advanced applications evaluation using analysis, modeling, and simulation (AMS) testbeds**
Ismail Zohdy, Booz Allen Hamilton, Inc., United States

TS55 - Smarter services for cities and regions 1

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

- AP - ITS-1566 A hub and shuttle, off-peak bus service**
Philip Kilby, NICTA and the Australian National University, Australia
- EU - ITS-1614 On the way to a comprehensive integration of information technologies and telematics**
Pauline Bruge, UITP, Belgium
- AP - ITS-2455 Integrated mass transit network design using simulation tool**
Ravi Shankar K V R, NIT Warangal, India
- AM - ITS-2459 Bus rapid transit corridors and intelligent transportation system**
Caio Fontana, Universidade Federal de Sao Paulo, Brazil
- AM - ITS-2857 The solutions for communication of bus embedded devices (the case study of Sao Paulo)**
Dariusz Swiatek, University of Sao Paulo, Brazil

TS56 - Business cases and cost-benefit

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 231

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1877 Impact assessment of cooperative systems in the drive C2X project**
Kerry Malone, TNO, Netherlands
- EU - ITS-1909 SYNCRO, an innovative public procurement of road data gathering systems**
Jean-Christophe Maisonobe, Conseil général de l'Isère, France
- AP - ITS-2092 Technology embodied rural taxi tourism and new value creation**
Sheng-Tsung Hou, Feng Chia U., Chinese-Tapei
- EU - ITS-2119 Cooperative ITS for TMC - an open and shared solution for cooperative ITS corridor**
Christian Roszak, NERZ e.V., Germany
- EU - ITS-2660 Bringing it into the market – a macroeconomic perspective on deployment rates for ITS**
Isabella Geis, Zeppelin Universität, Germany
- EU - ITS-2689 Cost benefit analysis of 10 ITS systems targeting vulnerable road users**
Dick Mans, Ecorys, Netherlands

TS57 - Public transport travel information

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 6

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1232 Public transportation bus trajectory prediction using least-squares support vector machine**
Ke Li, Institute for the development and quality, Macau, Macao
- EU - ITS-1817 Integration of probe data into the public traveller information portal Bayerninfo**
Ulrich Haspel, Bavarian Road Administration, Germany
- EU - ITS-2010 Data based bus schedules**
Paula Syrjärinne, University of Tampere, Finland
- AP - ITS-2031 Provision of information about the time required so as to mitigate traffic congestion**
Tetsuro Harayama, East Nippon Expressway Company Limited, Japan
- EU - ITS-2343 Implementations of bus travel time prediction utilising methods in artificial intelligence**
Erlend Dahl, SINTEF, Norway
- EU - ITS-2367 Twitter vs. Timetable - social media as mobility information system for public transport**
Tamara Vlk, Vienna University of Technology, Austria

TS58 - Traffic management applications 1

Thursday 8 October 2015, 09:00 - 10:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1433** **A stitch in time saves nine: traffic safety management based on ideas of preventive safety**
Go Hagihara, Institute of Behavioral Sciences, Japan
- AP - ITS-1496** **Traffic safety measure in residential road using a drive recorder**
Hidenori Goto, Oriental Consultants Co., Ltd., Japan
- AP - ITS-1627** **Characteristic of mobile phone distraction of subway pedestrian based on video extraction**
Jing Qiao, Beijing University of Technology, China
- AP - ITS-1761** **Accurate assessment of accident data in road safety research using vehicle black box data**
Younshik Chung, The Korea Transport Institute, Republic of Korea
- AP - ITS-2186** **An investigation of global processor at your vehicle**
Mikio Sasaki, DENSO CORPORATION, Japan
- AP - ITS-2368** **Modelling freeway accident likelihood under rainy weather condition**
Jinheoun Choi, The Seoul Institute, Republic of Korea

TS59 - Reducing environmental impact 3

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1687** **Novel technologies to deliver traffic management for clean air in cities**
Fabio Galatioto, Newcastle University, United Kingdom
- AP - ITS-2201** **8% reduction of CO2 emission by raising awareness of citizens**
Shintaro Ono, The University of Tokyo, Japan
- EU - ITS-2541** **Electric mobility: a cornerstone of the third industrial revolution?**
Chahinaz Jaafari, Setec its, France
- EU - ITS-2578** **Austrian hydrogen and fuelcell vehicle activities 2015**
Ernst Pucher, Vienna University of Technology, Austria
- EU - ITS-2580** **A strategic use of ITS to cut carbon emissions in Copenhagen**
Maria Wass-Danielsen, City of Copenhagen, Denmark
- EU - ITS-2765** **UVM-BS environmental oriented traffic management at the city of Braunschweig**
Gustav Thiesing, BLIC GmbH, Germany

TS60 - Probe data

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AM - ITS-1447** **Comparing multiple travel time data collection technologies: a state route 522 case study**
Bahar Namaki Araghi, BLIP SYSTEMS, Denmark
- EU - ITS-1833** **Feasibility of congestion detection and queue monitoring using bluetooth technology**
Aliasghar Mehdizadeh Dastjerdi, Hermes Traffic Intelligence, Denmark
- EU - ITS-2005** **Floating car data for wide area traffic monitoring and forecast**
Fabrizio Arneodo, 5T s.r.l., Italy
- AM - ITS-2131** **Utilizing probe data for statewide monitoring of workzone queues and incident detection**
Stephen Remias, Purdue University, United States
- AP - ITS-2396** **Research on the algorithm and application of traffic performance index based on travel time**
Wei Chen, Shenzhen Urban Transport Planning Center Co., Ltd./Shenzhen Key Laboratory of Transport Information & Transport Engineering, China
- EU - ITS-2589** **Dynamic clustering of cellular phones data for traffic patterns identification**
Fadwa Fouad, German University in Cairo, Egypt

TS61 - Comfort and safety for city travellers

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1350 Pedestrian detection using 79GHz radar sensors with watershed algorithms**
Weijie Liu, Panasonic System Networks Co., Ltd., Japan
- AP - ITS-1468 Connectivity enabled services for the elderly**
Ching-Yao Chan, University of California at Berkeley, United States
- AM - ITS-1949 Bicycle detection – achieving “vision zero” success**
Adam Lyons, Iteris, Inc., United States
- AP - ITS-2363 Evaluation of gait based pedestrian identification method in free walking**
Chihiro Sannomiya, Toyota InfoTechnology Center Co., Ltd., Japan
- EU - ITS-2470 Telematics system for the measurement of the index comfort for passengers. Case study**
Eusebiu Catana, EC-ITS bvba, Belgium
- AP - ITS-2908 Emergency vehicle priority**
Natalie Leach, Transmax Pty Ltd, Australia

TS62 - C-ITS communication technologies 2

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1523 Enhancing highways communications using wireless roadside access technology**
Gabriel Ozique, Fluor Corporation, United Kingdom
- AP - ITS-1539 Distributed STBC for vehicular communications on highway**
Diem Cong-Hoang, UEC, Japan
- AP - ITS-1843 An efficient communication system for connected vehicles**
Jianping Chen, Institute for Infocomm Research, Singapore
- AP - ITS-2251 A chain collision avoidance scheme using V2V communications and sensors**
Rinara Woo, Center for Embedded Software Technology, Republic of Korea
- EU - ITS-2464 Assessment of the performance of ITS-G5 for vulnerable road user safety applications**
Johan Scholliers, VTT Technical Research Centre of Finland, Finland

TS63 - Smarter services for cities and regions 2

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1423 Improving the efficiency of DAR service in London through an EU-wide service platform**
Guido Di Pasquale, Pluservice, Italy
- EU - ITS-1741 Utilise public transport for disabled people**
Jörn Schlingensiepen, Technische Hochschule Ingolstadt / University of Applied Science, Germany
- EU - ITS-2263 Living labs for transit networks: a promising framework for multimodal service development**
Étienne Corbillé, École Nationale des Ponts et Chaussées, France
- EU - ITS-2336 Automated road transport systems in mixed urban scenarios – Trikala city case**
Panagiotis Lytrivis, ICCS, Greece
- EU - ITS-2682 What is mobility as a service - why now and how will it transform the transport sector**
Alex Burrows, Atkins, United Kingdom
- EU - ITS-2818 Helsinki MaaS - from hype to actions**
Sami Sahala, City of Helsinki, Finland

TS64 - C-ITS: simulation

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 231

■ TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1253 Towards large scale deployment of TLA: a simulation tool-kit supporting design phase**
Laura Cocone, SWARCO MIZAR, Italy
- AP - ITS-1704 Outlines of traffic diagnosis system using V2V message and the simulation evaluations**
Masafumi Kobayashi, Sumitomo Electric Industries, Ltd, Japan
- AP - ITS-2609 Effect evaluation of the crossing collision avoidance assistance system using ASSESS**
Nobuhisa Tanaka, National Traffic Safety and Environment Laboratory, Japan
- EU - ITS-2627 Probabilistic sensor simulations for validating data fusion systems**
Robin Schubert, BASELABS GmbH, Germany
- EU - ITS-2685 In-silico system simulation and model based testing for ADAS and autonomous driving**
Dave Marples, Technolution B.V., Netherlands

TS65 - Data-based services

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 5

■ TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1824 Modal databases and web services as building blocks for multimodality**
Reiner Dölger, Ministerium des Inneren, Rheinland-Pfalz, Germany, Germany
- AP - ITS-1841 Controlling a wireless LAN communication based on access history of an in-vehicle router**
Tsuyoshi Takahashi, Iwate Prefectural University, Japan
- AP - ITS-2314 Estimation of occupancy of bus passenger by using bus card data**
Yangrok Jeong, Pukyong National University, Republic of Korea
- EU - ITS-2383 Potential demand for multimodal information. Evidence from the Plateau-de-Saclay**
Sophie Dantan, VEDECOM, France
- AP - ITS-2568 Research regarding an implementation of the multiple transportation information system**
Yousuke Hidaka, East Japan Railway Company, Japan
- EU - ITS-2728 Generating complete passenger flow data for urban areas from mobile phones**
Florian Koppelhuber, IKK ZT-GmbH, Austria

TS66 - Road maintenance applications

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 6

■ TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AM - ITS-1564 Data and performance measures driven programmatic ITS maintenance implementation**
Akhil Chauhan, ARCADIS, United States
- EU - ITS-2021 Roadwork permits system coordinating roadworks and creating better traffic information**
Noel Alldritt, City of Gothenburg, Sweden
- EU - ITS-2024 Road status information a new paradigm for road authorities**
Tomas Levin, Norwegian Public Roads Administration, Norway
- AP - ITS-2555 Automated data deduction of road updates using public tender notices**
Satoru Nakajo, Mitsubishi Research Institute Inc., Japan
- AM - ITS-2875 Cloud impacts on road pavement temperature and shortwave radiation**
Curtis Walker, University of Nebraska-Lincoln, United States

TS67 - Traffic management applications 2

Thursday 8 October 2015, 11:00 - 12:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AM - ITS-1291 Real-time traffic detection systems for better safety and mobility on urban expressways**
Qi Shi, University of Central Florida, United States
- AP - ITS-1948 Route information analysis using ETC2.0 probe**
Hidetaka Saji, National Institute for Land and Infrastructure Management, MILT, Japan
- AM - ITS-2047 Using crowdsourced data to enhance traffic management**
Jeffrey Adler, Open Roads Consulting.com, United States
- EU - ITS-2505 Using new sources of data to define, modelise and predict traffic conditions**
Clergue Laura, CEREMA - Direction Territoriale Méditerranée, France
- EU - ITS-2753 Is all that glitters, gold? – the future use of cellular data in transport modelling**
James Hobbins, Mouchel, United Kingdom

TS68 - Data management and analysis 2

Thursday 8 October 2015, 13:30 - 15:00

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1365 Data processing procedure for DSRC probe-based advanced traveler information system**
Jinhwan Jang, Korea Institute of Civil Engineering and Building Technology, Republic of Korea
- AP - ITS-1544 Traffic control center system architecture**
Hidehiro Suzuki, Central Nippon Expressway Company Limited, Japan
- AP - ITS-1844 Drive assist information notification system**
Atsushi Mochizuki, AISIN AW CO., LTD., Japan
- EU - ITS-2246 Alpinfonet: an European project to foster modal shift in the Alps**
Alexandre Mignotte, Rhône-Alpes and Provence-Alpes-Côte-d'Azur Regions, France
- AP - ITS-2448 Plan for ITS by new traffic control center in the Tokyo metropolitan area**
Masayuki Tokuda, East Nippon Expressway Company Limited, Japan

TS69 - Emerging solutions for cities 1

Thursday 8 October 2015, 13:30 - 15:00

HALL2 - Room 2

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1880 Spatial modeling of inter-communal demand flows in rural zones**
Jacques Mellon, 2b2p Conseil, France
- EU - ITS-2197 Advanced public transport priority solutions in Copenhagen**
Anders Torp Madsen, City of Copenhagen, Denmark
- EU - ITS-2462 Adaptive traffic control for the "Conseil Général de la Seine Saint-Denis"**
Thierry Glais, Thales, France
- EU - ITS-2837 Preconditions for energy and cost optimal public transport operation**
Andreas Kretschmer, INAVET - Institut für angewandte Verkehrstelematik GmbH, Germany
- EU - ITS-2840 Public transportation priority in mixed traffic conditions :a case study in Istanbul**
Ahmet Cagri Tekin, ISBAK, Turkey
- EU - ITS-2886 Development of inductive charging pavement for electric buses in urban areas**
Mai Lan Nguyen, IFSTTAR, France

TS70 - Parking systems and services

Thursday 8 October 2015, 13:30 - 15:00

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1159 E-parking: a trial of intelligent transport technology for roadside car-park management**
Chi Yung Pang, Urban Redevelopment Authority of Singapore, Singapore
- AP - ITS-1160 Effective use of dynamic parking lot vacancy information system in motorway rest areas**
Tadahisa Muramatsu, Express Highway Research Foundation of Japan, Japan
- EU - ITS-2168 Realtime data analytics and optimisation of shared vehicles networks**
Raphael Cherrier, QUCIT, France
- EU - ITS-2528 Collecting city-wide real-time data from street-parking without using occupancy sensors**
Ali Lattunen, Finnpark Ltd, Finland
- EU - ITS-2574 Publishing urban parking information with DATEX II parking publications**
Jörg Freudenstein, AlbrechtConsult GmbH, Germany
- EU - ITS-2805 Using analytics to understand on-street parking**
Stephane Clinchant, Xerox, United Kingdom

TS71 - Improving the resilience of communications

Thursday 8 October 2015, 13:30 - 15:00

HALL2 - Room 4

TOPIC: 1. Space Technologies and Services for ITS

- EU - ITS-1991 Monitoring of sea freights inner conditions over satellite by networks of wireless sensors**
Juan-Pedro Mediano-Alameda, Satellite Applications Catapult, United Kingdom
- EU - ITS-2254 Hybridised communications for ITS – satellite and terrestrial**
Ashweeni Beeharee, Satellite Applications Catapult, United Kingdom
- AM - ITS-2841 Is high-frequency satellite communication the solution to bandwidth congestion?**
Mikala Johnson, Kymeta, United States

TS72 - C-ITS communication technologies 3

Thursday 8 October 2015, 13:30 - 15:00

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1204 Cellular-based technologies in next-generation V2X communications**
Yi Shi, Huawei Technologies, China
- AP - ITS-1461 Evaluation of ITS application using I2X communication with 700MHz-band**
Hirofumi Urayama, Sumitomo Electric Industries, Ltd., Japan
- AP - ITS-1732 An impact of V2V communication including motorcycles for road safety**
Tomotaka Nagaosa, Kanto Gakuin University, Japan
- AP - ITS-1997 Study on architecture and application for vehicle to pedestrian communication**
Jaehwan Yoon, Hanyang University, Republic of Korea
- AP - ITS-2217 Introduction to development of WAVE/DSRC-based intelligent transportation system in Taiwan**
Po Fan Wang, ITRI, Chinese-Tapei
- AP - ITS-2854 On-road tests for a WAVE/DSRC-based collision warning system**
Andy An-Kai Jeng, ITRI, Chinese-Tapei

TS73 - Modelling and routing

Thursday 8 October 2015, 13:30 - 15:00

HALL2 - Room 223

TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1774 Incident detection and incident-impacted traffic prediction for urban road networks**
Yves Daumas, IBM FRANCE, France
- EU - ITS-2011 Assessing effects of predictive individual information in multimodal transit networks**
Umberto Crisalli, Tor Vergata University of Rome, Italy
- AP - ITS-2138 Travel preference analysis and modeling for urban multimodal transportation systems**
Wei Guo, Tsinghua University, China
- AP - ITS-2315 Research and practice of meso-scopic traffic model for refined traffic design**
Xiaochun Zhang, Laboratory of Shenzhen Transportation Information and Traffic Engineering, China
- EU - ITS-2895 Geolocated transport of dangerous goods for emergency responders and authorities**
Jean-Philippe Mechin, CEREMA D Ter SO, France

TS74 - Solutions in developing economies

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1208 ITS expansion in Africa challenges and opportunities**
Abiyu Berlie, ITS Ethiopia, Ethiopia
- EU - ITS-1412 Smart urban mobility agenda: the need for investment in ITS infrastructure in Nigeria**
Joshua A. Odeleye, Nigerian Institute of Transport Technology, Nigeria
- AP - ITS-1598 Implementation of intelligent transport systems in Indonesian cities**
Ahmad Munawar, Gadjah Mada University, Indonesia
- AM - ITS-2242 Inventory of intelligent transport systems in Latin America**
Carlos Mojica, Inter-American Development Bank, United States
- EU - ITS-2452 The why, where, what and how of ITS - Egypt case study**
Barry Moore, MoCh Tech Consulting Ltd, United Kingdom

TS75 - Emerging solutions for cities 2

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 2

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1537 An experimental study on personal mobility -use of Winglet personal mobility vehicle**
Naohisa Hashimoto, National Institute of Advanced Industrial Science and Technology, Japan
- EU - ITS-1782 The SmartDeliveries project in Lyon: optimizing professional urban mobility leveraging ITS**
Yves Daumas, IBM FRANCE, France
- EU - ITS-1828 Data-driven forecasting of traffic parameters during incidents for traffic management**
Claus Aichinger, Austrian Institute of Technology, Austria
- AP - ITS-2337 Toyota's Ha:mo, a new type of urban ultra-compact EV sharing connected to public transport**
Stephane Pean, Toyota Motor Corporation, Japan
- EU - ITS-2565 An urban mobility living lab addressing hesitation on sustainable mobility and ITS changes**
Walter Aigner, HiTec, Austria
- EU - ITS-2798 A roadmap to realization: an cross-client ITS for Luxemburg's public transport system**
Uwe Martin, MRK, Germany

TS76 - Vehicle and incident detection

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-2318** **Real-time highway level of safety using a novel vehicle surveillance system**
Cheol Oh, Hanyang University, Republic of Korea
- AP - ITS-2516** **Research of the vehicle accident detector using the accident noise**
Kosuke Kawai, Central Nippon Expressway Company Limited, Japan
- EU - ITS-2583** **Improving control of overloaded heavy vehicles**
Torbjørn Haugen, NTNU - Norwegian University of Science and Technology, Norway
- EU - ITS-2603** **Image analysis of vehicles**
Mathias Bjare, Hermes Traffic Intelligence, Denmark

TS77 - Human factors 1

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 4

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1445** **Improvment of the accuracy of drowsiness detection**
Yasuhiko Nakano, Fujitsu Laboratories Ltd., Japan
- AP - ITS-1501** **Driver's drowsiness and non-constraint pulsation estimation**
Shunsuke Kogure, AISIN SEIKI Co., Ltd., Japan
- AP - ITS-1579** **Safety effect of eye closure alarm on drowsy drivers in real driving environment**
Naoki Kato, AISIN SEIKI Co.,Ltd., Japan
- AP - ITS-2454** **Effect of drowsiness on mechanical arm admittance and consequences on driving performances**
Antonin Joly, Institute of Industrial Science, the University of Tokyo, Japan
- EU - ITS-2607** **Robust real-time driver drowsiness detection system for heterogeneous lightning conditions**
Leire Varona, Vicomtech-IK4, Spain

TS78 - C-ITS communication technologies 4

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1440** **Improving performance of DS/SS-IVC scheme by enhancement of mac protocol**
Reiki Kusakari, Tokyo University of Science, Japan
- AP - ITS-2271** **Fundamental consideration of diagnosing traffic flow using V2X**
Shigeki Umehara, Sumitomo Electric Industries, Ltd., Japan
- EU - ITS-2500** **Multi-channel usage in day 2 and beyond EU V2X systems**
Tim Leinmueller, DENSO Automotive Deutschland GmbH, Germany
- EU - ITS-2754** **Extended mobility management and geocast routing for internet-to-VANET multicasting**
Ines Ben Jemaa, INRIA/UVSQ-PRISM, France
- AM - ITS-2885** **A joint rate-power control algorithm for vehicular safety communications**
Hongsheng Lu, Toyota InfoTechnology Center, United States

TS79 - Journey analytics 2

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 5

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1498 An arrival time prediction method based on random neural networks**
Chi-Hua Chen, Chunghwa Telecom Co., Ltd., Chinese-Tapei
- AP - ITS-1694 Estimation of bus traveling section using wireless sensor networks for bus location system**
Wataru Nishio, Meijo University, Japan
- AP - ITS-2207 Evaluating impacts of traffic accidents on freeway—case study on national freeway No. 5**
Chien-Hung Wei, National Cheng Kung University, Chinese-Tapei
- AP - ITS-2293 Study on TOD mode-based trip generation model**
He Liu, Shenzhen Urban Transport Planning Center Co., Ltd./Shenzhen Key Laboratory of Transport Information & Transport Engineering, China
- EU - ITS-2510 Use of travel time data from citywide bluetooth system**
Michael Bloksgaard, Aarhus Municipality, Denmark

TS80 - New data sources

Thursday 8 October 2015, 15:30 - 17:00

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- EU - ITS-1800 Where to find mobility related apps: designing an app directory for mobility services**
Yanying Li, ERTICO - ITS EUROPE,
- AP - ITS-1946 Trafficwatch: real-time traffic incident detection and network monitoring using Twitter**
Hoang Nguyen, National ICT Australia, Australia
- AP - ITS-2414 A study on the advanced use of highway log data**
Hiroshi Kobayashi, Central Nippon Expressway Company Limited, Japan
- EU - ITS-2677 Using social media to better inform during major events**
Graeme Clisby, Amey, United Kingdom
- AP - ITS-2745 Using crowd-sourced navigation GPS data for analytics in modern smart cities**
Mohit Sindhvani, Quantum Inventions Pte Ltd, Singapore
- AM - ITS-2800 Waze and other disruptive innovation in traveler information**
Kristin Virshbo, Castle Rock Associates, United States

TS81 - Innovative technical solutions

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1356 Image recognition based OBU probe system for traffic monitoring**
Nobuyuki Ozaki, Toshiba Corporation, Japan
- AP - ITS-2139 Development of AOA equipment for 5.8GHz DSRC system**
Ieji Saku, Mitsubishi Heavy Industries, Ltd, Japan
- EU - ITS-2525 Traffic Lab Finland as a building block towards mobility as a service**
Marko Forsblom, Ministry of Transport and Communications Finland, Finland
- EU - ITS-2767 Development of a video ludic tool for territorial management**
Cyril Frayssinet, Des Villes et Des Hommes, France

TS82 - Pricing and tolling initiatives

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 2

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1334 Promoting eco-driving by deploying the environmental electronic toll**
Wen-Jing Huang, CECI Engineering Consultants, Inc., Chinese-Tapei
- AP - ITS-1995 Cloud-based ETC technologies and their use in the private sector in Japan**
Yasutomo Uenishi, ITS Technology Enhancement Association, Japan
- EU - ITS-1998 ETC certification: qualification of CEN DSRC electronic toll equipments in the ITS context**
Gwenaëlle Toulminet, ASFA, France
- AP - ITS-2309 Assessment of implementing a electronic toll collection system (Korea) for freight**
Yoonhyuk Choi, Korea Expressway Corporation Research Institute, Republic of Korea
- EU - ITS-2447 Mobility pricing: paradigm shift from toll financed infrastructure to sustainable mobility**
Josef Czako, Kapsch TrafficCom, Austria
- AM - ITS-2801 The state of tolling interoperability initiatives**
Benoit Rossi, Sanef ITS, France

TS83 - Network control

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-2072 A stepwise approach to model based network control**
Juergen Mueck, Siemens AG, Germany
- EU - ITS-2114 Cooperative signal optimisation: a performance study**
Andreas Poschinger, SIEMENS, Germany
- AP - ITS-2416 Adaptive learning algorithms for simulation-based dynamic user equilibrium**
Genaro Jr Peque, Tohoku University, Japan
- EU - ITS-2586 ATLAS for the operation of automated infrastructures**
Tiago Dias, Brisa Innovation, Portugal

TS84 - Human factors 2

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 4

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1205 Research of the threshold of scare or secure by the braking for ADAS**
Hiroaki Tanaka, DENSO CORPORATION, Japan
- EU - ITS-1338 Drivers' knowledge and learning of advanced driver assistance systems**
Niklas Strand, VTi, the Swedish National Road and Transport Research Institute, Sweden
- AP - ITS-1510 Reproducing driver actions during emergencies with a simulation program (ASSESS)**
Kazumoto Morita, National Traffic Safety and Environment Laboratory, Japan
- AP - ITS-1712 Elders' driving capability assessment from driving features obtained in the past**
Yosuke Fujisawa, Aichi Prefectural University, Japan
- AP - ITS-2431 Verification of feasibility of inattentive driving determination system**
Akira Sugie, FUJITSU TEN LIMITED, Japan
- EU - ITS-2593 Fully automated driving: impact of training on emergency manual control recovery**
William Payre, VeDeCom Institute, France

TS85 - Cooperation and interoperability

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

AP - ITS-1317 A report of public-private joint research on cooperative ITS development in Japan
Masaki Hiro, National Institute for Land and Infrastructure Management, MLIT, Japan

EU - ITS-2665 Data protection and cooperative driving
Wouter van Haaften, University of Amsterdam, Netherlands

EU - ITS-2851 Business level interoperability challenges when implementing and deploying C-ITS
Hans Westerheim, SINTEF, Norway

TS86 - Developing ITS skills

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 6

TOPIC: 5. Solutions for Sustainable Mobility

EU - ITS-1465 Development of the young researchers' seminar
Alan Stevens, Transport Research Laboratory, United Kingdom

EU - ITS-2662 Wanted: highly specialized ITS-experts
Gertraud Oberzaucher, AustriaTech - Gesellschaft des Bundes für technologiepolitische Maßnahmen, Austria

TS87 - Open data platforms

Thursday 8 October 2015, 17:15 - 18:45

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

EU - ITS-1315 An open and scalable platform delivering end user services
Martyn Minear, Arup, United Kingdom

EU - ITS-1665 Data catalogue for field operational tests
Satu Innamaa, VTT Technical Research Centre of Finland Ltd., Finland

EU - ITS-2567 OTN data hubs: stimulating innovation by improving access to open geographic information
Susie Ruston, 21c, United Kingdom

EU - ITS-2579 The traffic and accidents monitoring system on ANAS national road network
Pier Paolo Cartolano, ANAS S.p.A., Italy

EU - ITS-2599 Data sharing framework for naturalistic driving data
Helena Gellerman, SAFER, Sweden

EU - ITS-2621 The information hub an aggregation point for distribution and access to open data
Stefan Svensson, Viktoria Swedish ICT, Sweden

TS88 - Models and simulations 1

Friday 9 October 2015, 09:00 - 10:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1908** *Review of guidelines for parameters of bus priority at signals*
Birendra Shrestha, University of Southampton, United Kingdom
- EU - ITS-2421** *Dynamic and acoustic behaviour of electric versus vs combustion vehicles*
Claus Aichinger, Austrian Institute of Technology, Austria
- EU - ITS-2722** *Modelling intelligent mobility: software and interface requirements analysis*
Pete Sykes, Transport Systems Catapult, United Kingdom
- AP - ITS-2734** *Institutional way to estimate performance measure of advanced traffic signal management*
Jin-Tae Kim, Korea National University of Transportation, Republic of Korea
- EU - ITS-2736** *Real scenario and simulations on GLOSA for reduced CO2 emissions and waiting time*
Marie-Ange Lebre, INSA-Lyon, France
- EU - ITS-2867** *Testing extended map-based location referencing*
Kees Wevers, ERTICO TN-ITS, Netherlands

TS89 - Organisational issues 1

Friday 9 October 2015, 09:00 - 10:30

HALL2 - Room 3

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-2064** *Moving from conventional tolling installations to open road tolling*
Bjarne Olav Tveit, Transport Telematics, Norway
- EU - ITS-2206** *Managing mobility disruptions: nuclear security summit 2015 in the Hague*
Erik Verschoor, ARCADIS Nederland B.V., Netherlands
- EU - ITS-2597** *ITS-testbed as an economic factor for Luxembourg*
Michael Weber, MRK Management Consultants GmbH, Germany
- EU - ITS-2642** *ITS and optimisation of traffic flow in metropolitan areas*
Steffen Rasmussen, City of Copenhagen, Denmark
- EU - ITS-2771** *The ITS innovation system in Sweden– an analysis of ITS functional dynamics*
Eva Schelin, VINNOVA, Sweden

TS90 - Human factors 3

Friday 9 October 2015, 09:00 - 10:30

HALL2 - Room 4

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1294** *Implementation of three look-ahead distance method for lateral control*
Eiji Konaka, Meijo University, Japan
- AP - ITS-1749** *Study on the effectiveness of individual adaptation to automatic braking*
Hideaki Koto, ADVICS CO.,LTD., Japan
- AP - ITS-1763** *Behaviour personalized adaptive cruise control using probability-weighted ARX model*
Thomas Wilhelm, Nagoya University, Japan
- AP - ITS-2410** *Development of technique for detecting the driving posture using range image sensor*
Tomohiro Kinoshita, FUJITSU TEN LIMITED, Japan
- EU - ITS-2796** *Driver interaction in highly automated driving*
Martin Kraehling, Ibeo Automotive Systems GmbH, Germany

TS91 - Navigation, routing and mapping

Friday 9 October 2015, 09:00 - 10:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-1244 An evaluation of a destination prediction system for car navigation systems**
Yuko Ota, Mitsubishi Electric Corporation, Japan
- EU - ITS-1300 Semantic situation assessment and maneuver prediction for highly automated driving**
Martin Kraehling, Ibeo Automotive Systems GmbH, Germany
- AP - ITS-1351 Registration of consecutive heli-tele images to digital map by focusing on roads**
Rei Kojima, Shizuoka University, Japan
- EU - ITS-2802 Simulation parameters of re-routing strategy**
Vladimir Zyryanov, Rostov State Civil Engineering University, Russian Federation
- EU - ITS-2879 The future of map data for ITS – cooperative map production?**
Stefan Kollarits, PRISMA solutions, Austria

TS92 - Data quality

Friday 9 October 2015, 09:00 - 10:30

HALL2 - Room 6

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- EU - ITS-1560 Do my loop detectors count correctly? A set of functions for detector plausibility testing**
Thomas Riedel, Adaptive Traffic Control AG, Switzerland
- EU - ITS-2050 QRSTI: a method for quality assessment of event based (safety related) traffic information**
Teun Hendriks, TNO, Netherlands
- AP - ITS-2358 Enhancing data quality of speed from detection camera through the use of data analytics**
Joyce Qiao, Land Transport Authority, Singapore
- EU - ITS-2381 Improving data quality for regional traffic information and management**
Leon Deckers, DTV Consultants, Netherlands
- EU - ITS-2473 Increasing understanding of the quality of new sources of traffic data**
Ian Cornwell, Mott MacDonald, United Kingdom
- AM - ITS-2858 Validation of private sector data on arterials**
Jia Hu, Federal Highway Administration, United States

TS93 - Models and simulations 2

Friday 9 October 2015, 11:00 - 12:30

HALL2 - Room 1

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-2283 Highway network dynamic key segments identifying method : a simulation based study**
Fan Zhang, RIOH, China
- EU - ITS-2298 The improving effects of traffic prediction method for tunnel ventilation device**
Osamu Shirahige, Central Nippon Expressway Company Limited, Japan
- EU - ITS-2535 Dedicated bus / HOV lanes : new issues for optimisation of motorway infrastructures**
Chahinaz Jaafari, Setec its, France
- EU - ITS-2765 UVM-BS environmental oriented traffic management at the city of Braunschweig**
Gustav Thiesing, BLIC GmbH, Germany
- AM - ITS-2823 Polaris: a general purpose agent-based modeling framework for transportation simulation**
Joshua Auld, Argonne National Laboratory, United States
- EU - ITS-2826 Traffic management based on vehicular communication at low equipment rates**
Daniel Krajzewicz, German Aerospace Center, Germany

TS94 - Influencing behaviour

Friday 9 October 2015, 11:00 - 12:30

HALL2 - Room 2

■ TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-2128** *Driving safety assessment of auditory distractions with in-vehicle multimedia systems*
Sheng-Hsiung Chang, Tamkang University, Chinese-Tapei
- AP - ITS-2152** *A study of two alternative in-vehicle dynamic route guidance with information uncertainty*
Chee Chung Tong, Tamkang University, Chinese-Tapei
- EU - ITS-2210** *Highlights from research on dynamics of user perception, decision making and route choice*
Jaap Vreeswijk, Imtech Traffic & Infra, Netherlands
- EU - ITS-2453** *Are ITS effective in improving the safety of vulnerable road users?*
Anne Silla, VTT Technical Research Centre of Finland, Finland
- EU - ITS-2466** *Perceived risks and trust experience in a service of carpooling*
Lisa Creno, VEDECOM / TELECOM PARISTECH, France
- EU - ITS-2812** *Orange in the world of charging for electric vehicles*
Stephane Petti, Orange, Belgium

TS95 - Organisational issues 2

Friday 9 October 2015, 11:00 - 12:30

HALL2 - Room 3

■ TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-2000** *Stakeholder thoughts on future urban ITS applications*
Dietmar Schabus, FTW Telecommunications Research Center Vienna, Austria
- AM - ITS-2166** *Analysis of traveler information needs and utilisation behavior*
Jun-Seok Oh, Western Michigan University, United States
- EU - ITS-2478** *Toward a more intelligent, fluid and selected mobility for smart citizenship*
Eric Monceyron, Bordeaux Métropole, France
- AP - ITS-2506** *Smart city implementation learned from global intelligent transport systems experience*
Edmond Chang, EDCPC, Inc., United States
- EU - ITS-2628** *Innovative approaches to ITS-experiences from public-private innovation in Copenhagen*
Maria Wass-Danielsen, City of Copenhagen, Denmark
- EU - ITS-2880** *Trigger framework: intelligent traffic solution for traffic management at major events*
Lars Randleff, Hermes Traffic Intelligence, Denmark

TS96 - Human factors 4

Friday 9 October 2015, 11:00 - 12:30

HALL2 - Room 4

■ TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1521** *An evaluation of early Car-to-X use cases for autonomous driving*
Marc Bechler, Honda R&D Europe (Deutschland) GmbH, Germany
- EU - ITS-1826** *CO2perautoS2 – challenges for cooperative automated driving*
Rosa Blanco, CTAG, Spain
- EU - ITS-1883** *Human factor issues for automated driving and autonomous car*
Stéphane Feron, PSA Peugeot Citroen, France
- AP - ITS-1972** *Cooperative sensing and driving control algorithms for automated vehicles*
Kaito Anze, Meijo University, Japan

TS97 - ITS applications and architecture

Friday 9 October 2015, 11:00 - 12:30

HALL2 - Room 222

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1569 Optimising the approach to the car park of the Allianz Arena Munich via strategic routes**
Gordon Isaac, BMW AG, Germany
- EU - ITS-1885 Service hotspot for delivering local road weather services for vehicles**
Timo Sukuvaara, Finnish Meteorological Institute, Finland
- EU - ITS-2189 Mobinet Europe-wide platform for mobility services organisation and governance**
Michael Sena, Allianz Telematics, Sweden
- EU - ITS-2391 Intelligent parking assistant - a showcase of the mobinet platform functionalities**
Lars Mikkelsen, Aalborg University, Denmark
- EU - ITS-2451 TPMS to TPG ITS services in extended vehicle architecture**
Alain Servel, PSA, France
- EU - ITS-2873 Towards a programmable ITS infrastructure: challenges and emerging trends**
Pablo Chacin, Sensefields, Spain

TS98 - Data fusion technologies

Tuesday 6 October 2015, 11:00 - 12:30

HALL2 - Room 6

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- EU - ITS-1336 Merging FCD data to detector data: a generalized framework and ITS application in Yokohama**
Thomas Riedel, Adaptive Traffic Control AG, Switzerland
- EU - ITS-1655 Pervasive traffic intelligence**
Jørgen Wanscher, Hermes Traffic Intelligence, Denmark
- EU - ITS-1643 Mobi-lise : mobility geo-analytics, from crowdsourced and massive digital data**
Denys Alapetite, Smartengy, France
- AP - ITS-2308 A bayesian approach for travel time data fusion**
Zhang Li, NICTA, Australia
- EU - ITS-2545 The NDW data fusion project: pilot description and results**
Edoardo Felici, National Data Warehouse for Traffic Information, Netherlands
- EU - ITS-2783 A fusion algorithm for traffic density estimation using sensors and floating car data**
Enrico Lovisari, CRNS, France

TS99 - Modelling and simulation

Friday 9 October 2015, 11:00 - 12:30

HALL2 - Room 7

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1845 Construction of traffic state estimation method based on data assimilation**
Yosuke Kawasaki, Tohoku University, Japan
- AP - ITS-2118 Traffic chaos caused by local heavy rainfall: what triggered traffic jam?**
Toshitaka Azuma, Vehicle Information and Communication System Center, Japan
- AP - ITS-2160 Traffic analysis of the bottleneck caused by ramps based on a phase diagram**
Youngho Kim, The Korea Transport Institute, Republic of Korea
- AP - ITS-2388 Estimating shock waves in case of incident on a motorway by probe and detector data**
Takeshi Ohata, ORIENTAL CONSULTANTS CO., LTD., Japan
- AP - ITS-2439 - A traffic simulation model of pedestrian and vehicle for evacuation under natural disaster**
Hisatomo Hanabusa, i-Transport Lab. Co., Ltd., Japan

II01 - The future of interactive 3d simulation & modeling technology

Tuesday 6 October 2015 - 13:30 - 15:00

HALL1 EXPO - Commercial Theatre 1

TOPIC: 2. Cooperative ITS Deployment Challenges

Developments in interactive simulation and the future technical demands of this technology. A discussion on the need for a common and open communication framework for multidisciplinary activities. E.g. the use of simulation in the development of autonomous vehicles, how to develop 3D infrastructures, educate the public, manage the vehicular and pedestrian traffic, plus the integration of traffic and pedestrian simulation, the simulation of sensors, the automatic generation of driving-ready roads from GIS or GPS log data and the modelling of 3D environments from point cloud data. The integration of 3D Space with v2x, i2x communications will also be highlighted.

Organiser

Brendan Hafferty, FORUM8, United Kingdom

Moderator

Brendan Hafferty, FORUM8, United Kingdom

Speakers

Charles Miquet, IPG Automotive GmbH, Germany
 Sean Patrick Macdonald, Simcraft Inc, United States
 Sunjoo Advani, IDT Engineering, Netherlands
 Yoann Pencreach, FORUM 8, Japan
 Philippe Marsaud, BMIA, France
 Brendan Hafferty, FORUM8, United Kingdom

II02 - GNSS to develop new ITS services and applications

Tuesday 6 October 2015 - 15:30 - 17:00

HALL1 EXPO - Commercial Theatre 1

TOPIC: 1. Space Technologies and Services for ITS

This session will develop some new ITS services using GNSS applications, giving example of how these services are bringing added value to the users and to the stakeholders of transport. We will also address the link between ITS services and data certification and privacy protection. We are faced to new challenges for ITS services to develop people mobility where GNSS application could bring us solutions and help the ITS stakeholders to develop new added value services and application.

Organiser

Pascal Lemonnier, Egis Projects, France

Moderator

Pascal Lemonnier, Egis Projects, France

Speakers

Stuart Ballingall, ITS Australia, Australia
 Eric Cornuaille, 4iCOM, France
 Nick Patchett, Pillar Strategy, United Kingdom
 Chamindra Basnayake, General Motors, United States
 Pascal Lemonnier, Egis Projects, France

II03 - ADAS horizon and map data enabling Automated Driving

Tuesday 6 October 2015 - 17:15 - 18:45

HALL1 EXPO - Commercial Theatre 1

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

New ADAS systems use predictive data based on vehicle position and map data. The approach based on the ADAS horizon enables applications providing longitudinal driving automation like intelligent ACC. Today enabling technology linking map, position and ADAS developed by the ADASIS Forum are used in new Driver Assistance systems. This session will focus on new requirements necessary to enable Automated Driving using positioning, map and ADAS Horizon data. Current development of the ADASIS industry standard as well as the new map data format (NDS) and recent 3D Lane prototyping to support accurate vehicle positioning will be discussed by international experts.

Organiser

Jean-Charles Pandazis, ERTICO - ITS EUROPE

Moderator

Jean-Charles Pandazis, ERTICO - ITS EUROPE

Speakers

Volker Sasse, NavInfo Co. Ltd, China
 Dietmar Rabel, HERE, a Nokia Company, Germany
 Frank Foersterling, Continental, Germany
 Shuji Nakamura, Denso Corporation, Japan
 Stephen T'Siobbel, TomTom, Netherlands
 Alexander Bracht, Daimler, Germany

II04 - Traffic & Traveller Information: TPEG – new targets, actors and deployment scenarios

Wednesday 7 October 2015 - 09:00 - 10:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 2. Cooperative ITS Deployment Challenges

Traffic and Traveller information business is currently changing. During the past years, TMC has been worldwide used, but now TPEG is offering services beyond TMC. Also the adoption of the ITS Directive regarding e.g. the provisioning of Real-Time Traffic Information (RTTI) and Safety-Related Traffic Information (SRTI) is influencing the ITS Business in Europe. The session will discuss how TPEG may support new modes of mobility “beyond traffic”, report on progress made with DAB+ based deployments and consider how the current portfolio of standards can meet the legislative requirements in Europe and worldwide. This session will be performed as a panel discussion with short, inspirational presentations to trigger lively discussions.

Organiser

Stephanie Chaufton, TISA - Traveller Information Services Association, Belgium

Moderator

Matthias Unbehaun, TISA - Traveller Information Services Association, Belgium

Speakers

Jacques Naves, Michelin Travel Partner, France
 Olaf Meng, Garmin, United States
 Manfred Harrer, ASFINAG, Austria
 Gert Siegle, ECODYNIS Consortium, Germany
 Philippe Goudal, Mediamobile, France
 Lars Gisow, Swedish Transport Administration, Sweden
 Tjibbe Gaastra, Here, Netherlands

II05 - New mobility solutions: what impact on travel habits and on the use of public transport?

Wednesday 7 October 2015 - 14:00 - 15:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 3. Multimodal Transport for People and Goods

Today, travelers have access to a multitude of modes of transport and expect to experience a seamless end-to-end journey. Sustainable transportation solutions are becoming increasingly popular amongst citizens and more and more local authorities around the world are implementing such solutions in an effort to create a more “liveable” environment. This session will demonstrate how the arrival of new mobility solutions (car sharing, carpooling, bike sharing, etc.) has changed the way people travel and how they can contribute to increasing the use of public transport.

Organiser

Segolene Deeley, Keolis, France

Moderator

Kara Livingston, Keolis, France

Speakers

David Laine, Wattmobile, France
 Hervé Richard, SNCF, France
 Duncan Smith, Yarra Trams, Australia

II06 - How can big data support ITS services? A customer’s point of view

Wednesday 7 October 2015 - 16:00 - 17:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 7. Are Big Data and Open Data Transport’s ‘Silver Bullets’?

ITS applications based around Big Data can help the movement of people and goods through both real-time awareness of flows, better design new transportation infrastructure through historical and predictive data analysis, support implementation of new insurance policies thus promoting safer driving, etc. But to turn promise into successful delivery, key issues such as personal privacy, data ownership, access to data, and revenue sharing must be considered by policymakers and implemented by suppliers. This session will focus on bringing you with concrete insights from various industries, cities and public authorities that have implemented big data solutions.

Organiser

Samuel Loyson, Orange, France

Moderator

Ludovic Levy, Orange Data & Analytics, France

Speakers

Samuel Loyson, Orange, France

II07 - Sharing best practice of ITS: real life examples

Thursday 8 October 2015 - 13:30 - 15:00

HALL1 EXPO - Commercial Theatre 1

TOPIC: 4. Urban Trends Driving ITS changes

Sopra Steria has invited customers to share their experiences of implementing ITS-solutions. The format of this SIS will be the method of a "World Café" (small group rounds). Prefabricated canvases (illustrations) will be used to provide an arena for interaction between speakers and participants. In collaboration with customers, Sopra Steria has approached and developed solutions augmented from urban trends. A speaker from Keolis will share goals and strategy to develop services for citizens regarding existing eTicketing transportation solution. ITS Norway will share the experiences from a service design project on behavioural patterns of travellers. A presentation of these and four other customers will be the focus of this SIS focus of the IT-industry is on the interaction between the machine and the user, in particular the users experience with technology. The everyday user shapes technology and decides how technology should be used. It is difficult to imagine innovation without taking the user's needs and requirements into account. Why you say? The entry of urban trends has developed stronger technological awareness and higher demand among users. The constant chase of making daily operations simple puts pressure on the service providers to maintain customer relations.

Organiser

Mariel Jaabaek, Sopra Steria, Norway

Speakers

Tomas Levin, Norwegian Public Roads Administration, Norway

Helge Jensen, Oslo Kommune, Norway

Yola Bertrand, Spiretech, France

Trond Hovland, ITS Norway, Norway

Christophe Badesco, Keolis, France

II08 - Comprehensive evaluation models and technology of urban transport

Thursday 8 October 2015 - 15:30 - 17:00

HALL1 EXPO - Commercial Theatre 1

TOPIC: 4. Urban Trends Driving ITS changes

Along with the rapid urbanization process, the factors affecting the transportation have become increasingly complicated. Integrated transport assessment must focus on the relationship among land use, transport system, economy and the environment. The key technology for the comprehensive urban transport assessment will include multivariate dynamic and static data, multi-level traffic modelling, traffic operation index algorithm, localized methods of transport emissions, cross-platform integrated information services, etc. Researchers need to change the focus from the city to metropolitan, from static traffic to dynamic traffic, from the macro to the micro multi-level integration of theory and method integrated transport model system.

Organiser

Lijian Zhuang, Shenzhen Urban Transport Planning Center Co.,Ltd., China

Moderator

Xiaochun Zhang, Laboratory of Shenzhen Transportation Information and Traffic Engineering, China

Speakers

Paul Barter

Axel Friendrich, Axel Friendrich Consultancy, Germany

Xu Zhang, London ZX, United Kingdom

Jiahua Song, Shenzhen Urban Transport Planning Center Co.,Ltd., China

Hamid Iravani, Parsons, United States

Mario Keller, mkconsulting, Swaziland

Xiaochun Zhang, Laboratory of Shenzhen Transportation Information and Traffic Engineering, China

II09 - Making sense of the big data behind the connected vehicle

Friday 9 October 2015 - 09:00 - 11:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

The amount and type of real-time data being collected continues to grow at exponential rates. What does it take to turn this data into something useful? What capabilities are required to ingest and manage this data? What data can be shared? How does this data get distributed to the traveller? This session will discuss collaboration between the auto industry, technology companies, and government agencies and real examples of existing and emerging innovations for 1) new types of data analytics 2) methods to distribute the data to travellers and infrastructure 3) public/private partnerships for deployment.

Organiser

Monali Shah, Nokia/HERE Connected Driving, United States

Moderator

Mika Rytkonen, Here, Finland

Speakers

Dirk Lindemeier, Nokia NET, Germany

Gino Franco, SWARCO, United States

Monali Shah, Nokia/HERE Connected Driving, United States

II10 - Incident monitoring; interoperability, harnessing social media & user generated content

Friday 9 October 2015 - 11:00 - 12:30

HALL1 EXPO - Commercial Theatre 1

■ TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Managing road incidents safely and in a timely manner is a challenge faced by road agencies across the globe. Critical to effective deployment of pre-agreed plans is the availability of accurate and frequently updated traffic incident data. At the end of 2014 the EU Commission adopted new rules to facilitate the availability of more and accurate data to enable better management of road infrastructure and in 2016 the Real-Time System Management Information Program (RTSMIP) in the US will be extended beyond Interstate.

Organiser

Mark Timms, INRIX, United Kingdom

Moderator

Mark Timms, INRIX, United Kingdom

Speakers

Mark Timms, INRIX, United Kingdom

Project Dissemination Sessions

PR01 - The ARC Atlantic corridor project: harmonised ITS services involving 7 countries

Tuesday 6 October 2015 - 11:00 - 12:30

HALL1 EXPO - Project Dissemination Room/Theatre

TOPIC: 5. Solutions for Sustainable Mobility

The Arc Atlantique project is a project co-financed by the European Commission. It aims to deliver improvements to the Trans-European Road Network stretching from Ireland to Portugal through the wider deployment of ITS systems and services. This deployment will consist of a series of proven ITS technologies and services which have known and proven impacts on the efficiency of the road network. It will include traffic management systems and services and traffic information services that support traffic managers in directing traffic operations. The services implemented along the corridor will support all traffic users including HGVs as well as addressing cross-border issues. The deployment of services will be in accordance with the EasyWay ITS Deployment Guidelines and the mutual cooperation of neighbouring National Road Authorities and operators to achieve a coordinated traffic management corridor. The Arc Atlantique Corridor involves 7 countries: Ireland, United Kingdom, France, Belgium, Netherlands, Spain and Portugal.

Organiser

Malika Seddi, ASFA, France

Moderator

Annie Canel, ASFA, France

Speakers

Ronald Adams, RWS, Netherlands

Pedro Barradas, INIR, Portugal

Eric Ollinger, MEDDE, France

Rudi Tegenbos, Tractebel, Belgium

Pedro Tomás Martínez, DGT, Spain

Steve Narroway, Highway Agency, United Kingdom

PR02 - Innovation procurement: challenge and opportunity for ITS deployment

Tuesday 6 October 2015 - 13:30 - 15:00

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

Public procurement of innovation (PPI) has a great potential to boost the deployment of ITS in our roads. By acting as early adopters, public procurers can drive the development of innovative ITS solutions from various vendors towards concrete mobility needs for people and goods. However, demand fragmentation and lack of knowledge or experience on PPI/PCP hamper this potential. The objectives of this session are to present results and experiences from the P4ITS thematic network and other PPI/PCP projects, to discuss the experts' views on the use of innovation procurement, and to identify key enablers overcoming current limitations and barriers.

Organiser

Giacomo Marco Somma, ERTICO - ITS EUROPE

Moderator

Giacomo Marco Somma, ERTICO - ITS EUROPE

Speakers

Martin Russ, AustriaTech, Austria

Ian Chalmers, Highways Agency, United Kingdom

Jean-Christophe Maisonobe, Conseil général de l'Isère, France

Gert Blom, City of Helmond, Netherlands

PR03 - Cooperative ITS – roll out is underway!

Tuesday 6 October 2015 - 15:30 - 17:00

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

The roll out of Cooperative ITS is underway; on several locations and corridors in Europe C-ITS is being implemented. The European Commission is working on the overall coordination of preparing deployment through the C-ITS Deployment Platform. An important goal of the Amsterdam Group is to facilitate cooperation between corridors to enable harmonized deployment of C-ITS services. In doing so, it provides an essential element of cross-sector cooperation which is complementary to the C-ITS Deployment Platform. In a world in which markets have global players and require global strategies, international cooperation is fundamental for the development of C-ITS. In this session, Cooperative ITS initiatives present the current status and plans for the future. Project representatives will share experiences and knowledge regarding and implementation issues. European Commission and Amsterdam Group representatives will complement this with the status of overarching open issues like standards, privacy and legal requirements, which are crucial to enable interoperability of C-ITS all around Europe. The session will deal with C-ITS deployment projects in European countries and involves deployment of various types of use cases on various types of roads (from highways to urban roads).

Organiser

Maarten Amelink, ARCADIS the Netherlands BV, Netherlands

Moderator

Frans op de Beek, Intelligent Transport Services and Traffic Management, Netherlands

Speakers

Frans op de Beek, Intelligent Transport Services and Traffic Management, Netherlands

Claire Depré, European Commission DG MOVE, Belgium

Marko Jandrisits, ASFINAG, Austria

Eric Ollinger, MEDDE, France

Risto Kulmala, Finnish Transport Agency, Finland

Niels Peter Skov Andersen, European Telecommunications Standards Institute (ETSI), Denmark

PR04 - Deployment of cooperative ITS in the C-ITS Corridor – mastering the challenges

Tuesday 6 October 2015 - 17:15 - 18:45

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

The first initiative to deploy C-ITS (Cooperative ITS) in Europe in a fully operational non-project system is the C-ITS Corridor from Rotterdam (NED) via Frankfurt / M (GER) to Vienna (AUT). It was initiated by the ministries of transport in the respective three countries and started recently. This session is planned to complement other sessions painting the picture of pan-European C-ITS deployment by providing hands-on experience of front-runners. Therefore leading representatives from the three countries involved in the C-ITS Corridor will present and discuss opportunities provided by the new technology, the main challenges and elements of solutions they came across when actually deploying Cooperative ITS in Europe.

Organiser

Andreas Kreutzer, K+S, Germany

Moderator

Christine Lotz-Keens, BAST, Germany

Speakers

Konstantin Sauer, Federal Ministry of Transport and Digital Infrastructure, Germany

Helge Molin, Austrian Ministry for Transport, Innovation and Technology, Austria

Frans op de Beek, Intelligent Transport Services and Traffic Management, Netherlands

Gerd Riegelhuth, Mobil, Germany

Marko Gustke, Verband der Automobilindustrie, Germany

PR05 - Future solutions of cooperative ITS - challenges and opportunities

Wednesday 7 October 2015 - 09:00 - 10:30

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

"Future solutions of cooperative ITS- challenges and opportunities" focuses on results and lessons learned in several European countries on development and deployment of advanced cooperative solutions. Findings of projects such as CoMoSeF-Cooperative Mobility Services of the Future and DRIVE C2X will be presented. The focus will be on implementations in Finland, France and Spain. Experiences of services will be provided. The session deals with commercially viable services that have been developed and evaluated following the latest standards and guidelines. The session offers interesting views upon the future of cooperative services and a possibility for active involvement of the audience.

Organiser

Pekka Eloranta, Mobisoft, Finland

Moderator

Pekka Eloranta, Mobisoft, Finland

Speakers

Kate Yeadon, EPT Luxembourg, Luxembourg

Bertrand Ducourtial, Université de Technologie de Compiègne, Lab. Heudiasyc, France

Johan Scholliers, VTT Technical Research Centre of Finland, Finland

Patricia Ortiz, Innovalia, Spain

Pekka Eloranta, Mobisoft, Finland

PR06 - E-call advancement in Europe

Wednesday 7 October 2015 - 11:00 - 12:30

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

This will be a formal presentation session with question and answers. eCall based on 112 will be implemented in Europe for the PSAP by October 2017 and vehicles by March 2018. The I_HeERO project will examine specific issues using the work already achieved through the HeERO projects. eCall in Germany now faces with a unique challenges, how to establish the architecture for 550 PSAP across Germany solutions will be discussed. eCall for powered 2 wheeled (P2W), The three activities for eCall P2W, will be discussed highlighting the different approach to eCall. eCall for truck an all-encompassing proposal for a voluntary adoption of eCall for this class of vehicle, how will this be achieved will be discussed. A discussion on eCall for long distance coach eCall will also feature. eCall has moved on technically, the challenge that this possess to the PSAP is considerable. As communication technology continues to evolve, PSAP and TPS Call Centres will be faced with an increasing challenge as to how and more importantly when to process and pass on potentially valuable information gleaned through the new communication mediums to the emergency services. This will be discussed showing how these emerging technologies will embrace the concept of C-ITS and the open platform.

Organiser

Andy Rooke, ERTICO - ITS Europe

Moderator

Andy Rooke, ERTICO - ITS Europe

Speakers

Frank Brennecke, OECON, Germany

Zeljko Jeftic, International Road Transport Union Projects, Belgium

Matthias Moerbe, Robert Bosch, Germany

Luca Bergonzi, BETA80, Italy

PR07 - Traffic management with cooperative detection

Wednesday 7 October 2015 - :00 - 15:30

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

Cooperative technology opens many new possibilities for traffic control and management, even at low penetration rates. This session first discusses data acquisition and fusion for traffic control and a TLC algorithm designed for low penetration cooperative detection information, both developed in the EU FP7 project Colombo. Next topic is OD matrix estimation, for which both data acquisition and calculation methods to optimally exploit the data will be discussed. Lastly, an outlook for applications to traffic management services is given, and the audience is invited to join in a panel discussion about future research in the area.

Organiser

Robbin Blokpoel, Imtech Traffic & Infra, Netherlands

Moderator

Wolfgang Niebel, DLR Researcher, Germany

Speakers

Andrea Bartoli, Technical university of Catalonia, Spain

Robbin Blokpoel, Imtech Traffic & Infra, Netherlands

Jérôme Härri, Eurecom, France

Michela Milano, University of Bologna, Italy

Francesco Viti, University of Luxembourg, Luxembourg

PR08 - FEV: The range challenge -Is Wireless Charging the solution?

Wednesday 7 October 2015 - 16:00 - 17:30

HALL1 EXPO - Project Dissemination

TOPIC: 5. Solutions for Sustainable Mobility

Limited range is one of the disadvantages of EVs when compared to ICE vehicles. To achieve a wide deployment of pure EVs, mature technology & advanced charging solutions that provide a user experience similar to today's cars is required. Wireless charging could help achieving the critical mass of EVs: It allows charging while driving, is more unobtrusive and futuristic. More frequent, short-duration, high-power charging can increase EV range but many challenges should be overcome prior to its large scale implementation. In this session key experts will discuss advances on wireless EV charging and issues that may delay wide market deployment.

Organiser

Angelos Amditis, National Technical University Campus Building of Electrical Engineers, Greece

Moderator

Angelos Amditis, National Technical University Campus Building of Electrical Engineers, Greece

Speakers

Francois Colet, Renault, France

Denis Naberezhnykh, TRL, United Kingdom

Luisa Andreone, Centro Ricerche Fiat S.C.p.A., Italy

Liam Breslin, European Commission, DG Research & Innovation

Grzegorz Ombach, Qualcomm, United States

PR09 - The decarbonisation of road transport: how can eco-driving contribute?

Thursday 8 October 2015 - 09:00 - 10:30

HALL1 EXPO - Project Dissemination

TOPIC: 5. Solutions for Sustainable Mobility

The EU project ecoDriver has developed and tested different eco-driving solutions on a wide scale (including integrated systems for cars and trucks, an aftermarket solution and a Smartphone application). This session will discuss the extent to which these technologies can reduce emissions and fuel use, and what are the prospects of their take-up and use by drivers and road transport fleet operators. It covers the likely effects of different external scenarios. Panellists will briefly outline their roles in developing or evaluating eco-driving systems. Key project results and possible prospects will be discussed with audience participation, including voting opportunities.

Organiser

Andrew Winder, ERTICO – ITS Europe

Moderator

Oliver Carsten, University of Leeds, United Kingdom

Speakers

Andrew Winder, ERTICO – ITS Europe

Oliver Carsten, University of Leeds, United Kingdom

John Nellthorpe, University of Leeds, United Kingdom

Marcia Pincus, United States Department of Transportation (USDOT), United States

Roland Trauter, Daimler, Germany

PR10 - Medtis - traveller information services involving 4 different European countries

Thursday 8 October 2015 - 11:00 - 12:30

HALL1 EXPO - Project Dissemination

TOPIC: 5. Solutions for Sustainable Mobility

MedTIS is a deployment project with objective to implement Traveller Information Services on the TEN-T Mediterranean Corridor. MedTIS takes onboard TEN-T priorities and EC policy objectives to deliver high-level Travel Time Services and enhanced Traveller Information services including road user awareness to European travellers. MedTIS will implement in particular cross border Travel Time Services at French-Spanish and Italian-French borders. Along a 6.800 km Corridor MedTIS Action involves 4 Member States from the European Union: France, Italy, Spain and Portugal. 22 road operators from these 4 countries are in charge of the onsite deployments of services and systems. The project is co-funded by the European Commission. In relation with the deployment activities MedTIS will assess the impact of the ITS services from technical (levels of deployments, levels of service) and socio-economic perspectives (congestion, safety, the Environment). The audience will know more about the project from each involved country. They will have an overview of the collaborating work performed to provide harmonised traveller information services

Organiser

Malika Seddi, ASFA, France

Moderator

Malika Seddi, ASFA, France

Speakers

Pedro Barradas, INIR, Portugal

Annie Canel, Association of French toll motorway operators, France

Frédéric Ambleton, VINCI Autoroutes, France

Representative from ENEA, Belgium

PR11 - The INSPIRE transportation pilot as driver for TN-ITS implementation

Thursday 8 October 2015 - 13:30 - 15:00

HALL1 EXPO - Project Dissemination

TOPIC: 5. Solutions for Sustainable Mobility

TN-ITS aims to facilitate pan-European exchange of ITS-related spatial data concerning updates of road attributes between public road authorities (source of changes) and ITS map providers (in support of up-to-date maps). INSPIRE is the Infrastructure for Spatial Information in the European Community. TN-ITS and INSPIRE have teamed up in the joint Transportation Pilot, both to demonstrate the usability of INSPIRE in the ITS domain, and to initiate TN-ITS implementation in several selected European countries. This session will report of the background and results of the Pilot, and also provide views on spatial data for ITS from Japan and the USA.

Organiser

Kees Wevers, ERTICO TN-ITS, Netherlands

Moderator

Kees Wevers, ERTICO TN-ITS, Netherlands

Speakers

Kees Wevers, ERTICO TN-ITS, Netherlands

Trond Hovland, ITS Norway, Norway

Francesco Pignatelli, JRC, Italy

Olaf Østensen, ELF project, Norway

Johanna Borup, Here, Denmark

Tom Jensen, TomTom, Denmark

Claire Depré, DG MOVE, European Commission

PR12 - The European ITS platform+: a key player to support future deployment plans

Thursday 8 October 2015 - 15:30 - 17:00

HALL1 EXPO - Project Dissemination

TOPIC: 5. Solutions for Sustainable Mobility

Within the framework of the EasyWay programme 2007-2020, fostering the development of ITS services along transport corridors, the European ITS Platform + is a follow up of the EIP project (Nov. 2013 - Feb 2015) that has been co-funded by the European Commission under the EC ITS Call 2012. The "EIP+" continue to pursue the main "EIP" objective of fostering the consensus building between European Member States with the aims to provide the European citizen with harmonized ITS Services along the TEN-T Road network. Furthermore, the particularity of the "EIP+" is the strong interface with the "Corridor" projects that are co-funded under the EC 2013 ITS Call, by monitoring their technical progress on ITS services implementation as well as collecting and elaborating their results to the disseminate the knowledge and experiences both inside and outside the project partnership. The EIP+ aims to facilitate the ITS Policy level cooperation of Member States and to map policy level decisions on the European level to the EasyWay Deployment Guidelines for ITS and other required technical elements on the operational level, particularly with regard to the priority actions and priority areas of the ITS Directive 2010/40/EU and its technical specification. Formal presentations, audience engagement

Organiser

Alessandro Javicoli, SINA S.p.A R&D, ITALY

Moderator

Jan Willem Tierolf, ITS, Netherlands

Speakers

Arne Linderberg

Alessandro Javicoli, SINA S.p.A R&D, ITALY

Stephanie Kleine, LandesBetrieb Mobilität Rheinland-Pfalz (LBM RP), Germany

Risto Kulmala, Finnish Transport Agency, Finland

Torsten Geissler, BAST, Germany

Julie Raffailac, EC DG MOVE, Belgium

PR13 - Is there a business case for a universal mobility service marketplace?

Thursday 8 October 2015 - 17:15 - 18:45

HALL1 EXPO - Project Dissemination

TOPIC: 3. Multimodal Transport for People and Goods

With the explosion of both online mobility services and sources of open transport data, there is a growing need for marketplaces where users can find apps and services, and where service providers and operators can publish data and third-party services. This session will present a lively debate around possible business models for potential marketplace users and operators, as well as models for the governance and organisation of such platforms. The panellists represent leading mobility service providers from Europe and beyond who are active in mobility service marketplace platform developments.

Organiser

Julie Castermans, ERTICO - ITS EUROPE

Moderator

Theo Quick, CGI, United Kingdom

Speakers

Michael Sena, Allianz Telematics, Sweden

Jaap Vreeswijk, Imtech Traffic & Infra, Netherlands

Zeljko Jeftic, International Road Transport Union Projects, Belgium

Stephane Pean, Toyota Motor Corporation, Japan

Alessandro Taddei, Infoblu, Italy

Azer Bestavros, Boston University, United States

PR14 - Recommendations for urban authorities to publish standardised road and traffic data

Friday 9 October 2015 - 09:00 - 10:30

HALL1 EXPO - Project Dissemination

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Local authorities in Europe are largely committed to opening up their transport data but much of this data is not standardised. The EC has recently adopted mandatory rules regarding the provision of access to standardised road and traffic data required to support continuity of real-time traffic information services (C(2014) 9672 final). These rules are currently mandatory for the Transport European Road Network (TERN) and other motorways. The rules include the provision of 'Priority Zones', which would enable cities and other types of hubs to comply with the specifications and which Member States have the discretion to designate. The European Commission, Polis and city representatives are currently working together, through the CIVITAS CAPITAL project, on guidance to facilitate the adoption of the RTTI specifications among city authorities. The draft guidance will be almost complete by the Summer of 2015 and will be the focus of the presentations in this session.

Organiser

Suzanne Hoadley, POLIS Network, Belgium

Moderator

Suzanne Hoadley, POLIS Network, Belgium

Speakers

Julie Raffailac, DG MOVE, European Commission

Fabio Nussio

Hanfried Albrecht, OCA, Germany

Mark Cartwright, UTM Ltd, United Kingdom

Suzanne Hoadley, POLIS Network, Belgium

PR15 - Cooperative Business models for urban freight transport in the cities of tomorrow

Friday 9 October 2015 - 11:00 - 12:30

HALL1 EXPO - Project Dissemination

TOPIC: 2. Cooperative ITS Deployment Challenges

Urban areas represent the greatest challenges for freight transport and service trips, both in terms of goods distribution and service allocation performance, and environmental impacts (air emission, traffic congestion, road safety, accidents and noise). Operators, such as logistics service providers, and customers, such as shippers and receivers are interconnected with cooperative schemes, which control their everyday business and respective agreements. This session will provide knowledge and understanding of freight distribution and service trips by providing guidance for implementing effective and sustainable policies and measures from cities and logistics operators. In addition, presentations will also cover the evaluation innovative UFT solutions taking into account lifecycle analysis of the measures performance. Finally, the presentation will also cover examples of stakeholder collaboration and transfer of best governance and business models.

Organiser

Lina Konstantinopoulou, ERTICO - ITS EUROPE

Moderator

Georgia Ayfantopoulou, CERTH, Greece

Speakers

Andrea Campagna, CTL, Italy

Tom Zunder, Newcastle University, United Kingdom

Arnaud Burgess, PANTEIA, Netherlands

Lina Konstantinopoulou, ERTICO-ITS EUROPE

PR16 - Certification of automated road vehicles for urban public transport

Tuesday 6 October 2015 - 11:00 - 12:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

This session will present views and recommendations for handling certification for automated road transport systems (as opposite to "autonomous car"). It will focus both on operational and infrastructural constraint and requirements. It will also consider system versus device-level testing/certification. Benefit of a global testing framework for vehicle and system suppliers as well as system operators and road/transport/urban authorities will be illustrated. The session will give the opportunity to discuss the question: which standards are needed? The speakers will provide a worldwide overview on the topic referring to specific projects (e.g. CityMobil2 WP26).

Organiser

Davide Brizzolara, ERTICO - ITS EUROPE

Moderator

François Fischer, ERTICO - ITS EUROPE

Speakers

Robert Lohmann, 2Getther, France

Jean-François Janin, Ministère de l'Ecologie, du Développement Durable et de l'Energie, France

Chin Kian Kian Keong, Director for Transportation and Road Operation, Land Transport Authority, Singapore

Cathy Schwamberger, State Farm Insurance Company, United States

Adriano Alessandrini, University of Rome, Italy

Michel Parent, INRIA, France

PR17 - Demonstration of European GNSS added value in ITS

Wednesday 7 October 2015 - 11:00 - 12:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 1. Space Technologies and Services for ITS

This session aims at EGNSS awareness rising among the ITS community. The added value of EGNSS will be clearly demonstrated and promoted. Furthermore, public stakeholders and actors of transportation industry will be shown the benefits they could derive from implementing innovative solutions based on EGNSS. First, distinguishing features of EGNSS will be presented through three applications: Thales Alenia Space France Galileo receiver prototype, authenticated signals with ISMB software receiver and mutual benefits between EGNSS time space information and VANETs. Second, European and International local authorities will share their experience in implementing EGNSS applications in ITS.

Organiser

Hanna-Kaisa Saari, Aerospace Valley, France

Moderator

Yves Capelle, GNSS applications and services Business Manager,

Speakers

Riccardo Scopigno, Head of Research Area, Italy

Ali-Ufuk Peker

Trevor Dorling, The Royal Borough of Greenwich, United Kingdom

Alberto Fernández-Wytenbach, European GNSS Agency, Czech Republic

Khuat Viet Hung, National Traffic Safety Committee of Vietnam, Vietnam

Martin Pichl, Ministry of Transport, Czech Republic

Gianluca Marucco, Istituto Superiore Mario Boella, Italy

Marc Gandara, Thales Alenia Space France, France

PR18 - Gertrude real time: several ITS methods and solutions in the same core

Thursday 8 October 2015 - 09:00 - 10:30

HALL1 EXPO - Commercial Theatre 1

TOPIC: 3. Multimodal Transport for People and Goods

GERTRUDE is the transport management system of Bordeaux urban area, other cities in France and in the world. It is part of Adaptive ITS in Real Time. Capable of combining all types of data (Traffic, Public Transport, Soft modes, Pollution, Parking, Weather, Incidents, and Collaborative) and integrate them into its real-time decision process, the system provides a plurality of strategies to the policies service and integrated platform to communicate with drivers, users and citizens. It benefits from regular integration of innovative solutions to improve positive interaction between all transport actors and create more alternatives to move fluently inside urban areas. Five experiments demonstrate operational responses to specific objectives in mobility management.

Organiser

Eric Monceyron, Bordeaux Métropole, France

Moderator

Eric Franceries, GERTRUDE SAEM, France

Speakers

Daniel Yung, GERTRUDE SAEM, France

Alain Laparra, SIT America Latina, Mexico

Gilles Lavaud, City of Montpellier, France

Agnieszka Hadas, City of Wroclaw, Poland

Dominique Loesch, City of Metz, France

PR19 - Making urban transport more sustainable to address the global challenge of climate change

Thursday 8 October 2015 - 11:00 - 12:30

HALL1 EXPO - Commercial Theatre 1

■ TOPIC: 5. Solutions for Sustainable Mobility

Urban transport is one of the main contributors to CO2 emissions not only in developed countries but also in many developing countries. To address the global change of climate change, international cooperation to make urban transport more sustainable is essential. This session presents solutions implemented in different cities worldwide. Each speaker will introduce challenges those solutions address, experiences and lessons learnt from implementations and estimated reduction of CO2 emissions after implementation as well as other social benefits. This session also provides an overview of the global trends in R&D and policies in reduction of CO2 emissions from the transport sector.

Organiser

Yanying Li, ERTICO - ITS EUROPE,

Moderator

Patrick Mercier-Handisyde, DG RTD, European Commission

Speakers

Patrick Oliva, Michelin Travel Partner, France

Florian Kressler, AustriaTech GmbH, Austria

Phil Blythe, University of Newcastle, United Kingdom

Alessandro Santiago Dos Santos, Institute for Technological Research - IPT, Brazil

Jean Grebert, Renault, France

Interactive Sessions

IS01 - C-ITS communication technologies 1

Tuesday 6 October 2015, 11:00 - 12:30

HALL1 EXPO - Interactive Theatre

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1295** **M-proximity, an IP proximity proposal for mobile IP terminals on 4G networks**
Gianraffaele Percannella, Telecom Italia, Italy
- AP - ITS-1715** **A study of DSIC antenna for multi lane free flow on toll road**
Ken Chikamatsu, Nippon Expressway Research Institute Company Limited, Japan
- AP - ITS-1881** **Hybrid V2V network -a decentralized network with cellular network and direct V2V**
Hiroyuki Tanabe, Honda R&D Co., Ltd, Japan
- AM - ITS-1932** **Design and installation of antennas for V2V crash-warning-applications**
Fumio Watanabe, Alps North America, Inc., United States
- EU - ITS-2055** **Ensuring radio performance and protocol conformance with one tool set**
Theofanis Vassiliou-Gioles, Testing Technologies, Germany
- EU - ITS-2218** **LTE/ITS G5 hybrid architecture for the delivery of smart cities services to connected cars**
Bernadette Villeforceix, Orange, France
- AP - ITS-2435** **Measurement-based V2X channel modeling using web-based V2X field test & analysis system**
Jhihoon Joo, Kyungpook National University, Republic of Korea
- EU - ITS-2659** **System for speed supervision using dynamic information provided by wireless communications**
Felipe Jiménez, Technical University of Madrid, Spain
- EU - ITS-2746** **Low intrusive fast bandwidth estimation method for connectivity selection in ITS networks**
Laurent Mussot, Orange, France
- AM - ITS-2861** **Spectrum sharing in the 5.9 GHz DSRC band**
John Kenney, Toyota InfoTechnology Center, USA, United States

IS02 - C-ITS infrastructure

Tuesday 6 October 2015, 13:30 - 15:00

HALL1 EXPO - Interactive Theatre

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1302** **Comparative analysis for floating car and loop detectors data**
Pavel Hrubeš, Czech Technical University in Prague, Czech Republic
- AP - ITS-1348** **Traffic simulator for analysis of optimal road work implementation on metropolitan expressway**
Yuji Tamura, Pacific Consultants Company Limited, Japan
- AP - ITS-1792** **Analysis of mutual recognition between OBU and RSE installed on the national highway**
Byung Hwa Kim, Korea Institute of Construction Technology, Republic of Korea
- EU - ITS-1933** **Cost-effective and reliable soft public transport priority and tram switch operation combined technologies**
Kristian Johansson, Forsando AB, Sweden
- AP - ITS-2326** **Effects of different countdown patterns on startup behavior**
Wisinee Wisetjindawat, Nagoya Institute of Technology, Japan
- EU - ITS-2531** **Emission minimizing adaptive signal control: a multimodal optimization approach**
Michael Haberl, Graz University of Technology, Austria
- EU - ITS-2648** **Multivehicle V2V collision warning system applied for high speed track safety assistance**
Álvaro Arrúe, Idiada Automotive Technology, S.A., Spain
- AP - ITS-2954** **Effect & acceptance of V2I cooperative left side crossing pedestrian recognition**
Katsuya Taguchi, Toyota Motor Corporation, Japan

IS03 - Traffic management and information services

Tuesday 6 October 2015, 15:30 - 17:00

HALL1 EXPO - Interactive Theatre

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1231 Advanced winter road maintenance using a decision support system**
Naoto Takahashi, Civil Engineering Research Institute for Cold Region, Japan
- EU - ITS-1975 Next generation traffic information services**
Dominic Paulo, Mouchel, United Kingdom
- EU - ITS-2017 Improving traffic signals for bicyclists in the city of Gothenburg**
Andreas Larsson, Sweco, Sweden
- EU - ITS-2048 Recent advances of urban traffic management centers in French cities**
Arnaud Gorin, CEREMA, France
- AP - ITS-2192 Enhanced travel time information for expressways**
Muhamadnoh Wandy, Land Transport Authority, Singapore
- AM - ITS-2177 Affordable traffic management center**
Kliment Kuzmanovski, City of Surrey, Canada
- AP - ITS-2307 Impacts of traffic characteristics according to snowy weather conditions on an expressway**
Yoonhyuk Choi, Korea Expressway Corporation Research Institute, Republic of Korea
- EU - ITS-2372 In-car traffic management by smartphone – bringing the traffic center in-car!**
Michiel Doelman, ARCADIS Nederland BV, Netherlands Antilles
- EU - ITS-2486 Innovative VMS deployment on rural motorways in Ireland**
David Laoide-Kemp, National Roads Authority, Ireland
- EU - ITS-2872 Intelligent mobilities 2.0**
Anthony Nazarre, SYSTRA, France

IS04 - Delivering Intelligent Mobility – overcoming the challenge of data silos

Tuesday 6 October 2015 - 17:15 - 18:45

HALL1 EXPO - Interactive Theatre

TOPIC: 3. Multimodal Transport for People and Goods

This interactive session will explore the challenges of delivering intelligent mobility for transport users. Intelligent mobility requires access to real-time information across transport modes to enable informed decisions to be made by users. Currently transport related data is often held in different silos with varying degrees of access. The interactive session will provide perspectives from different actors in the intelligent mobility value chain including: Local Transport Authorities, National road authorities, Value added data processors, Telecommunications industry, Travel Information Service Providers, Customers.

Organiser

Verity Beattie, Arup ITS, United Kingdom

Moderator

Tim Gammons, Arup ITS, United Kingdom

Speakers

David Trousdale, Buckinghamshire County Council, United Kingdom

Brendan O'Brien, Dublin City Council, Ireland

Colin Balfour, Traak, United Kingdom

Alan Carlton, InterDigital, United Kingdom

Alastair Pocock, World Sensing, United Kingdom

IS05 - Innovative solutions 1

Wednesday 7 October 2015, 09:00 - 10:30

HALL1 EXPO - Interactive Theatre

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-1794 Solutions for integrated mobility in urban regions**
Michael Kieslinger, Fluidtime Data Services GmbH, Austria
- AM - ITS-2117 COMTEC - state-of-the art traffic operations center by unique stakeholder collaboration**
John Abraham, Macomb County Department of Roads, United States
- AP - ITS-2157 Framework design of China National Urban Transit Database**
Xianglong Liu, China Academy of Transportation Sciences, Ministry of Transportation, China
- AP - ITS-2291 Research for urban private car travel behavior of China**
Sun Ling, National Center of ITS Engineering & Technology, China
- AP - ITS-2494 Future direction of transportation R&D in Korea towards intelligent mobility**
Taehyung Kim, The Korea Transport Institute, Republic of Korea
- AP - ITS-2585 Pattern analysis of speed variations under adverse weather conditions by level of service**
Mijeong Kim, The Korea Transport Institute, Republic of Korea
- EU - ITS-2624 Hybrid navigation in smart cities**
Nicolas Burger, TomTom, France
- AP - ITS-2663 Simulation experiment for ITS on three expressway rings in Tokyo metropolitan region**
Ryota Horiguchi, i-Transport Lab. Co., Ltd., Japan
- AM - ITS-2720 Identifying traffic signatures of traffic events on urban arterials**
Aleksandar Stevanovic, Florida Atlantic University, United States

IS06 - Innovative solutions 2

Wednesday 7 October 2015, 11:00 - 12:30

HALL1 EXPO - Interactive Theatre

TOPIC: 4. Urban Trends Driving ITS changes

- AP - ITS-1644 Traffic signal splits optimisation in real time - the simplex algorithm in SCATS**
J. Carlos Aydos, Roads and Maritime Services, Australia
- AP - ITS-2226 Intelligent Hidden Markov model for posture recognition in telematics remote controlling**
Chun-Fu Chuang, Industrial Technology Research Institute (ITRI), Chinese-Tapei
- AP - ITS-2300 The process of gridlock formation and its impact on a network**
Daisuke Oshima, Pacific Consultants Co., Ltd., Japan
- AP - ITS-2360 A framework of augmented reality for geotagged videos**
Tae-Hyun Hwang, ITS KOREA, Republic of Korea
- AM - ITS-2529 Transportation mode detection using a distributed learning approach**
Hesham Rakha, VTTI, United States
- EU - ITS-2772 Intermodal terminal eco-efficiency calculator (ITEC)**
Thomas Walker, HaCon Ingenieurgesellschaft mbH, Germany
- AM - ITS-2862 Elegant density**
Timothy Hall, Global Traffic Technologies, United States
- AM - ITS-2944 Large-scale computation of wardrop equilibria to Los Angeles arterial road network**
Hugo Ghiron, UC Berkeley, United States

IS07 - Freight and logistics 3

Wednesday 7 October 2015, 14:00 - 15:30

HALL1 EXPO - Interactive Theatre

TOPIC: 3. Multimodal Transport for People and Goods

- AP - ITS-1313 Field operational testing of heavy vehicle monitoring using the ETC2.0 platform**
Shoichi Suzuki, National Institute for Land and Infrastructure Management, Japan
- EU - ITS-1641 Cooperative self-declaring of weight for trucks**
Orjan Tveit, NPRA, Norway
- EU - ITS-1796 Alliance for logistics innovation through collaboration in Europe**
Meng Lu, Dutch Institute for Advanced Logistics, Netherlands
- EU - ITS-2273 Heavy commercial vehicle greening, safety and compliance**
Bernard Jacob, IFSTTAR, France
- EU - ITS-2397 Extending the C-ITS user groups to goods transport: the C-ITS4GOODS project**
Martin Dirnwoeber, AustriaTech GmbH, Austria
- EU - ITS-2710 Automated control of transport corridors module in UIRNet project for custom management**
Paolo Guarnieri, Autostrade Tech S.p.A., Italy
- EU - ITS-2711 Adoption of ITS for dangerous goods road transportation– a review and research agenda**
Magnus Andersson, Viktoria Swedish ICT, Sweden
- EU - ITS-2835 A load balancing model – savings potential with regard to cooperative ITS**
Gideon Mbiydzennyuy, Netport Science Park AB, Sweden
- EU - ITS-2883 How the C-ITS4GOODS supports Europe-wide C-ITS deployment in multi-modal goods transport**
Walter Aigner, HiTec, Austria

IS08 - Railways and ITS

Wednesday 7 October 2015, 16:00 - 17:30

HALL1 EXPO - Interactive Theatre

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-1681 Real time electrical power estimation for the energy management of automatic metro lines**
Jonathan Lesel, SIEMENS, France
- EU - ITS-1770 Design of a new EMR-based simulation tool in the context of subway energy reduction**
Clément Mayet, SIEMENS, France
- EU - ITS-1930 Modeling the CBTC railway system with SC OLA**
Melissa Issad, SIEMENS, France
- EU - ITS-2045 Safe vision for railways**
Clara Nogueira Alves, SIEMENS, France
- AP - ITS-2209 Reexamination of prototype cooperative ASV service between tramcars and cars**
Takayuki Hirasawa, IIS, The University of Tokyo, Japan
- AP - ITS-2272 Reexamined prototype cooperative ASV service between tramcars and cars**
Sho Watanabe, Institute of Industrial Science, the University of Tokyo, Japan
- AP - ITS-2559 Development of smartphone indoor navigation system using information sign relay**
Yousuke Hidaka, East Japan Railway Company, Japan
- EU - ITS-2739 Intelligent luggage storage systems for intermodal nodes**
Burkhard Stadlmann, University of Applied Sciences Upper Austria, Austria

IS09 - Reducing environmental impact 2

Thursday 8 October 2015, 09:00 - 10:30

HALL1 EXPO - Interactive Theatre

TOPIC: 5. Solutions for Sustainable Mobility

- AP - ITS-1504** *EV charge scheduling for highway EMS*
Shizu Sakakibara, Toshiba Corporation, Japan
- EU - ITS-1578** *CO2 emissions from traffic: a technology-specific simulation approach*
Biagio Ciuffo, European Commission Joint Research Centre, Italy
- EU - ITS-2109** *Emission optimized control for isolated intersections*
Robbin Blokpoel, Imtech Traffic & Infra, Netherlands
- EU - ITS-2234** *Traffcsensnet - sensory network for measuring the air quality and transportation impacts*
Petr Brynda, CTU Faculty of Transportation Sciences, Czech Republic
- AP - ITS-2443** *Eco-cruise control by combining considerations of traffic conditions and platooning*
Takeki Ogitsu, Tokyo University of Science, Japan
- AP - ITS-2497** *Measures to prevent congestion on the Tokyo Bay Aqua Line by using the pacemaker light*
Hiromichi Kato, East Nippon Expressway Company Limited, Japan
- AP - ITS-2612** *Implementation of green ITS (G-ITS) based on vehicle & ICT (VICT) convergence networks*
Young-Jun Moon, The Korea Transport Institute (KOTI), Republic Of Korea
- EU - ITS-2713** *Energy-efficient routing strategies based on real-time traffic data*
Mario Krumnow, TU Dresden, Germany
- EU - ITS-2868** *Real-world emission measurement of free-flow and congested traffic with a V2I capable PEMS*
Ernst Pucher, Vienna University of Technology, Austria
- EU - ITS-2884** *Mobilization of the ITS actors for the cop21 – Paris December 2015*
Munoz Michel, ATEC ITS France, France

IS10 - New solutions for cities and regions

Thursday 8 October 2015, 11:00 - 12:30

HALL1 EXPO - Interactive Theatre

TOPIC: 3. Multimodal Transport for People and Goods

- AP - ITS-1503** *Development of localisation system for pedestrian using wireless nodes*
Noriyasu Kikuchi, Oki Electric Industry Co., Ltd., Japan
- EU - ITS-1654** *OPTICITIES, paving the way for efficient urban mobility*
Jean Coldefy, Grand Lyon, France
- EU - ITS-1724** *Transmodel-neTEx-EPTIS:a European standard for modelling and exchanging fares*
Kasia Bouree, KBIC, France
- EU - ITS-2411** *Multimodal real time information between urban and long-distance networks in Bordeaux*
Chahinaz Jaafari, Setec its, France
- AP - ITS-2667** *Empirical analysis on risk factors of pedestrian safety using vehicle black box data*
Jisun Lee, Korea Transport Institute, Republic of Korea
- EU - ITS-2674** *Bus priority in Nantes – reaching tramway standards with a radio system*
Chahinaz Jaafari, Setec its, France
- EU - ITS-2676** *Indoor positioning and navigation for pedestrian guidance in public transport facilities*
Olaf Czogalla, IFAK eV Magdeburg, Germany
- EU - ITS-2690** *Mobile ticketing*
Suzi Rockett, Here, United Kingdom
- AM - ITS-2822** *Transit signal priority with connected vehicle considering conflicting requests*
Jia Hu, Federal Highway Administration, United States

IS11 - Bringing automation to markets 1

Thursday 8 October 2015, 13:30 - 15:00

HALL1 EXPO - Interactive Theatre

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- AP - ITS-1576 Multi-sensor fusion adopted 2-D laser rangefinder and camera for pedestrian detection**
Kuo-Ching Chang, Automotive Research & Testing Center, Chinese-Tapei
- AP - ITS-1762 Antenna technology for rear-side looking radar system**
Kazumasa Sakurai, Nippon Soken, Inc., Japan
- AP - ITS-1953 Semantic framework for ITS procurement**
Cormac McBride, TDG, New Zealand
- EU - ITS-2020 ITS in the Republic of Tatarstan : RFID technology in traffic safety and security**
Maria Dagaeva, The Ministry of Interior, Russian Federation
- AP - ITS-2279 A path following technique for automobiles using nonlinear dynamic inversion**
Byungseok Seo, Kyungpook National University, Republic of Korea
- AP - ITS-2354 The real-time assessment of freeway traffic state based on variation coefficient method**
Zhulin Feng, Beijing University of Technology, China
- EU - ITS-2461 The deployment of advanced driver assistance systems in Europe**
Miltos Kyriakidis, Delft Univeristy of Technology, Netherlands
- EU - ITS-2592 The role of regulation in automated driving, an overview of different models**
Arjan van Vliet, RDW, Netherlands
- EU - ITS-2632 Automated road vehicles for public transport –La Rochelle demonstration and evaluation**
Jinan Piao, Southampton University, United Kingdom
- EU - ITS-2794 Autonomous driving at intersections: combining theoretical and practical approaches**
Xiangjun Qian, MINES ParisTech, France

IS12 - Bringing automation to markets 2

Thursday 8 October 2015, 15:30 - 17:00

HALL1 EXPO - Interactive Theatre

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1237 Smart roads for sustainable roads: monitoring utility cuts impacts to conserve pavement**
Julien Henique, Lille Métropole, France
- AP - ITS-1352 Registration of aerial images before and after a disaster**
Megumi Hoshino, Shizuoka University, Japan
- EU - ITS-1361 Connected vehicles that use channel prediction will fully take advantage of 5G**
Dinh-Thuy Phan-Huy, Orange, France
- AP - ITS-1965 Niigata road traffic control center system; for safety and security in the Kan-Etsu tunnel**
Ai Kajikawa, NEXCO-East, Yuzawa Operation Office, Japan
- EU - ITS-2001 Automation of business rules for adaptable traffic management systems**
Robert Cranston, AECOM, United Kingdom
- AM - ITS-2121 Analysis of OEM sensor data for determination of speed sign placement on road maps**
Anton Anastassov, HERE, a Nokia Company, United States
- AP - ITS-2185 Integrated variable speed limit control and ramp metering control base on METANET model**
Tuo Mao, University of New South Wales, NICTA, Australia
- AP - ITS-2202 A roadmap planning and promotion strategies for connected vehicles industry in Taiwan**
Chi-Chung Tao, Tamkang Univeristy, Chinese-Tapei
- EU - ITS-2235 Automated winter road management procedures: an entry gate for advanced ITS deployment?**
Roberto Cavaliere, TIS Techno Innovation South Tyrol Scpa, Italy
- EU - ITS-2543 Are the autonomous vehicles the silver bullet against congestion?**
Jean-Philippe Mechin, CEREMA D Ter SO, France

IS13 - Innovative data management techniques

Thursday 8 October 2015, 17:15 - 18:45

HALL1 EXPO - Interactive Theatre

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AP - ITS-1795 Proposal of simpler ICT functions for round trip promotion based on field surveys**
Makoto Ogasawara, Yonden Consultants Inc., Japan
- AP - ITS-1789 Analysis on the performance evaluation results of RSE installed on the national highway**
Byung Hwa Kim, Korea Institute of Construction Technology, Republic of Korea
- AP - ITS-1903 Transportation demand analysis using preferences revealed from flow data of people**
Mariko Okude, Hitachi, Ltd., Japan
- AP - ITS-1956 Expressway information provision service using probe data**
Hiroyuki Hasegawa, East Nippon Company Limited, Japan
- AP - ITS-1973 Attempts to provide traffic information using probe car data in expressway**
Yuichi Kinuta, The Institute of Behavioral Sciences, Japan
- EU - ITS-2049 Concept and application of risk based security approach to highways data/telecoms network**
Gabriel Ozique, Fluor Corporation, United Kingdom
- EU - ITS-2413 Mobility data warehouse for Belgium: meta-analysis on different aspects of warehouses**
Sven Vlassenroot, VIM - Flanders Institute for Mobility, Belgium
- AP - ITS-2488 Integrated traffic/travel information with user-oriented, public-domain, cloud-computing**
Edmond Chang, EDCPC, Inc., United States
- EU - ITS-2562 Definition of a cloud-based platform architecture to foster sustainable mobility habits**
Sergio Campos, TECNALIA R&I, Spain

IS14 - Technology and the driver

Friday 9 October 2015, 09:00 - 10:30

HALL1 EXPO - Interactive Theatre

TOPIC: 2. Cooperative ITS Deployment Challenges

- AP - ITS-2154 Evaluation of a driver acceptance of a vehicle information sharing on the penetration rate**
Yusuke Takatori, Kanagawa Institute of Technology, Japan
- AP - ITS-2176 Effect of workload on driving performance of elderly drivers with leukoaraiosis**
Tsutomu Kaizuka, The University of Tokyo, Japan
- AM - ITS-2255 Driver inattention monitoring system using pressure sensors**
Arief Koesdwiady, University of Waterloo, Canada
- AP - ITS-2294 Traffic monitoring system for commercial vehicle operation based on digital tachograph**
Choi Dongwon, Korea Institute of Civil Engineering and Building Technology (KICT), Republic of Korea
- EU - ITS-2425 Effects of demonstrations of in-vehicle ITS systems on user perception**
Anne Silla, VTT Technical Research Centre of Finland, Finland
- EU - ITS-2669 Atoumod : sharing users' services**
Chahinaz Jaafari, Setec its, France

Commercial Paper Sessions

CP01 - Traffic information and management 1

Tuesday 6 October 2015, 11:00 - 12:30

HALL1 EXPO - Commercial Atrium

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1428 Driver-based traffic management: Riyadh's flexible ITS ecosystem**
Nick Cohn, TomTom, Netherlands
- EU - ITS-1710 Floating car data – a technical and business revolution in traffic management**
Alessandro Taddei, Infoblu, Italy
- EU - ITS-1931 Smart cities - the Swedish way**
Johan Höglund, Infracontrol, Sweden
- EU - ITS-1988 Intelligent management of street traffic to reduce CO2 and NOx emission**
Laude-Auxane de Verdun, SIEMENS, France
- EU - ITS-1993 Dynamic navigation in cities using DAB-TPEG**
Gert Siegle, ECODyNIS Consortium, Germany
- EU - ITS-2022 Co-operative ITS deployment – experiences and future views**
Pekka Eloranta, Mobisoft, Finland
- EU - ITS-2026 Utilizing mobile based travel data in transport planning**
Laura Niittylä, Mattersoft, Finland
- EU - ITS-2058 Coordinating ITS services on a national traffic control center**
Rui Ribeiro, EP Estradas de Portugal, Portugal
- EU - ITS-2348 Improving real time traffic management through human factor design**
Andrew Johnson, Schneider Electric, United States
- EU - ITS-2654 Day one for C-ITS deployment: is industry ready in 2015?**
Marco Bottero, Swarco Mizar S.p.A., Italy

CP02 - Traffic information and management 2

Tuesday 6 October 2015, 13:30 - 15:00

HALL1 EXPO - Commercial Atrium

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- AM - ITS-1436 Using existing copper wiring for traffic signals and CCTV systems at intersections in USA**
Chih-Hong Lin, Moxa Europe GmbH, Germany
- EU - ITS-2359 Re-thinking traffic management centres for the future**
Arturo Corbi, Schneider Electric, Spain
- EU - ITS-2380 Objects in the rear view mirror can appear closer than they are. The two-speed IT reality**
Rebecca Walker, Worldline, United Kingdom
- EU - ITS-2428 Traffic estimation and prediction for urban road networks, application to GrandLyon**
Yves Daumas, IBM FRANCE, France
- EU - ITS-2483 Voiceinfo – location-based social voice media for traffic information**
Olli Pihlajamaa, VTT, Finland
- EU - ITS-2556 Distributed real-time information within the complete operation City of Oulu project**
Thomas Bach Petersen, FARA ASA, Denmark
- EU - ITS-2569 Remote sensing techniques to monitor driving conditions in winter time**
Torgeir Vaa, Norwegian Public Roads Administration, Norway
- EU - ITS-2892 The use of community feedback in a traffic information system**
Sorin Dumitrescu, Electronic Solutions Ltd., Romania

CP03 - New services and technologies 1

Tuesday 6 October 2015, 15:30 - 17:00

HALL1 EXPO - Commercial Atrium

TOPIC: 2. Cooperative ITS Deployment Challenges

- EU - ITS-1328 Honda's fusion-based advanced driver assistance systems**
Marcus Kleinhagenbrock, Honda R&D Europe (Deutschland) GmbH, Germany
- AM - ITS-1934 Video sharing in today's world changing how agencies respond and manage events**
Brent Isenberg, Skyline Technology Solutions, United States
- EU - ITS-2611 Retail parking in cities: from bottleneck to opportunity**
Lars Lenselink, Nedap N.V., Netherlands
- EU - ITS-2647 The Q-free universal ITS station**
Ola Lykkja, Q-Free ASA, Norway
- EU - ITS-2650 Parking license solution for mobility impaired people**
Lars Lenselink, Nedap N.V., Netherlands
- EU - ITS-2758 Road traffic management solutions for a smart transition toward cooperative systems**
Guillaume Grolleau, NEAVIA TECHNOLOGIES, France
- EU - ITS-2804 Good angel : a new breathalyzer service to better prevent alcoholic driving fatalities**
Arnaud de Meulemeester, SD-X Technologies & Services, France
- EU - ITS-2810 A new method to determine the quality of parking information**
Daniel Kotzor, BMW Group, Germany
- EU - ITS-2887 An innovative eco-driving coaching solution : GECO**
Fabrice Guillemin, IFP Energies Nouvelles, France

CP04 - New services and technologies 2

Wednesday 7 October 2015, 09:00 - 10:30

HALL1 EXPO - Commercial Atrium

TOPIC: 4. Urban Trends Driving ITS changes

- EU - ITS-1235 Urbanzen : a tool for optimizing the travel times of heavy goods vehicles in urban areas**
Olivier Van Damme, Belgian Road Research Centre, Belgium
- EU - ITS-1869 Smart strategy to increase energy efficiency and safety in urban areas**
Thomas Novak, SWARCO FUTURIT, Austria
- EU - ITS-2262 Smart glasses for traffic wardens**
Tugberk Duman, Vincit Oy-Demola, Finland
- AP - ITS-2302 The new paradigms of integrated RFID-based ITS applications: the experience of Taiwan**
Ling Yu (Lynette) Wu, YDT Technology International Co. Ltd., Chinese-Tapei
- EU - ITS-2465 Implementing virtualisation in the TMC to achieve resilience and security**
Clint Loop, Amey, United Kingdom
- EU - ITS-2508 Real-time maps**
Stephen T'Siobbel, TomTom, Netherlands
- AM - ITS-2544 Xerox vehicle passenger detection system: improving passenger counts for managed lanes**
Joseph Averkamp, Xerox, United States
- EU - ITS-2584 Swarco's multimodal travel assistance for cross-border mobility**
Roberta Marinò, SWARCO MIZAR, Italy
- EU - ITS-2673 Tunnel simulator for operators exercising**
Jan Silar, ELTODO, a.s., Czech Republic

CP05 - New services and technologies 3

Wednesday 7 October 2015, 11:00 - 12:30

HALL1 EXPO - Commercial Atrium

TOPIC: 5. Solutions for Sustainable Mobility

- EU - ITS-1207 TPEG onair - implementing hybrid TPEG mobility information services**
Martin Dreher, Bayerische Medien Technik GmbH, Germany
- EU - ITS-1320 Electric cars: charging stations monitoring**
Olivier Koch, Tinynode, Switzerland
- EU - ITS-1736 My-ways, a smartphone-based travel survey method: lessons learned and future development**
Ektoras Chandakas, Transamo, France
- AP - ITS-1846 China Shanghai cognition and consumer behaviour of usage analysis of EV consumers**
Wenjie Zhang, Shanghai International Automobile City (Group) Co., Ltd, China
- EU - ITS-1914 Travel time estimation on motorways based on reconstructed vehicle trajectories**
Robert Neuhold, Graz University of Technology, Austria
- EU - ITS-2352 Reducing mobility incident impact with coordination & event management**
Eneko Aritza Aldama, Schneider Electric, Spain
- EU - ITS-2561 Behaviour change as a lever to smarter mobility: BNV mobility**
Elena Umanets, Egis, France
- EU - ITS-2874 Activity analysis as an essential lever to enhance mobility**
Caroline Pauwels, CCI Rennes, France

CP06 - New services and technologies 4

Wednesday 7 October 2015, 14:00 - 15:30

HALL1 EXPO - Commercial Atrium

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1489 Generic simulation and validation approach for various kinds of ADAS systems**
Alfred Kless, Vector Informatik, Germany
- EU - ITS-1699 Consistent ego-vehicle positioning using laser scanners and GNSS receivers**
Noah Smith, Ibeo Automotive Systems GmbH, Germany
- EU - ITS-1893 Simplifying complex decision making for road weather maintenance**
Rachel Adams, Vaisala, United Kingdom
- EU - ITS-2019 Implementation and development of the "GLONASS+112" system in the Republic of Tatarstan**
Tatiana Romancheva, Ministry of informatization and communications of the Republic of Tatarstan, Russian Federation
- EU - ITS-2412 Satellite communications to empower intelligent transportation systems**
Alexandra Pocholle, Eutelsat, France
- EU - ITS-2474 UWB MIMO radar for a cooperative vulnerable detection**
Alain Servel, PSA, France
- EU - ITS-2797 Keolis mobility management as a platform: the answer to digital age transportation**
Segolene Deeley, Keolis, France
- EU - ITS-2948 Mobility based on aggregation of services and applications interconnection**
Jorge Vieira da Silva, MTA - Mobility, Ticketing & Applications, Belgium

CP07 - Services for commercial vehicles

Wednesday 7 October 2015, 16:00 - 17:30

HALL1 EXPO - Commercial Atrium

TOPIC: 1. Space Technologies and Services for ITS

- EU - ITS-1653 Emergency response to accidents of road vehicles carrying dangerous goods**
Sergey Garagan, Scientific and Research Institute of Motor Transport (NIIAT), Moscow, Russia, Russian Federation
- EU - ITS-2259 Multiple use of plug & play GNSS on board units: etc and other mandatory services**
Norbert Schindler, Siemens AG Österreich, Austria
- EU - ITS-2408 Advanced positioning service for smart mobility applications**
Eduard Ferrete, Pildo Labs Wessex, Spain
- EU - ITS-2661 MAVE-lpark - smart technology for the determination of truck park occupancy**
Peter Böhnke, ave Verkehrs- und Informationstechnik GmbH, Germany
- EU - ITS-2679 Europort - optimizing intermodal freight transport through European ports**
Joao Sequeira, GMV, Portugal
- EU - ITS-2876 GNSS signals simulation can qualify safety critical positioning for E112**
Gilles Boime, SPECTRACOM, France

CP08 - Implementation case studies

Thursday 8 October 2015, 09:00 - 10:30

HALL1 EXPO - Commercial Atrium

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

- EU - ITS-1773 Traffic signals - keep them tuned!**
Jan Kildebogaard, ÅF - Hansen & Henneberg, Denmark
- EU - ITS-2053 New incident detection system on Aquitaine bridge to enhance mobility in Bordeaux**
Francis Iacoste, DIRA, France
- EU - ITS-2221 Dynamic conversion of emergency stopping lanes into traffic lanes**
Joseph Boua, BG Ingenieurs conseils SA, Switzerland
- EU - ITS-2338 From corridor to integrated regional management - Dallas success**
Ahmad Sadegh, Schneider Electric, United States
- EU - ITS-2387 New generation of turnkey automated people mover**
Laude-Auxane de Verdun, SIEMENS, France
- EU - ITS-2522 Feedback on the dynamic regulation on A57 after opening the Toulon South tube**
Chahinaz Jaafari, Setec its, France
- EU - ITS-2623 Low-tech means for high-tech solutions**
Lars Randleff, Hermes Traffic Intelligence, Denmark
- EU - ITS-2776 How a differential GNSS and INS can help qualify land vehicle autonomous navigation**
Gilles Boime, SPECTRACOM, France
- EU - ITS-2781 Standardization of traffic management rule base and simplifying connected information**
Rolf Krikke, Quovadis, Netherlands
- AP - ITS-2890 A study on the platoon signal control system**
Jacob Zhang, Cadre, China

CP09 - Tolling and payment technologies

Thursday 8 October 2015, 11:00 - 12:30

HALL1 EXPO - Commercial Atrium

■ TOPIC: 3. Multimodal Transport for People and Goods

- EU - ITS-1421 Electronic toll service using NFC contactless communication via smartphone**
Guy Frémont, SANEF, France
- EU - ITS-1701 Use of ANPR for optimized toll roads operations : tolling applications**
Yohan Dubois, VINCI Autoroutes, France
- EU - ITS-1731 Belarus - experiences with a nationwide tolling system in Eastern Europe**
Roman Himmler, Kapsch TrafficCom AG, Austria
- EU - ITS-1797 DSRC enforcement for autonomous EFC with smart phone based OBE**
Lionel Sacks, Q-Free ASA, Norway
- EU - ITS-1786 Is 100% possible?**
Dan Rapaport, Advanced Solutions Road Systems Ltd, Israel
- EU - ITS-1889 Easytoll tolling system**
André Costa, Brisa Innovation, Portugal
- AM - ITS-1898 Road demand control based upon utp electracop**
Igor Matur, Matur & Co., Inc., United States
- EU - ITS-2949 HU-GO Hungarian GNSS AET system - 2 years of experience & new fields of utilisation**
Zoltán Varga, TOLL SERVICE PLC - Hungary, Hungary

CP10 - Open data

Thursday 8 October 2015, 15:30 - 17:30

HALL1 EXPO - Commercial Atrium

■ TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

- EU - ITS-1177 Open data and web based reporting tool for HSL customer satisfaction**
Antti Vuorela, HSL, Finland
- AM - ITS-1985 Applying deep analytics techniques in public transport**
Martin Howell, Cubic, United Kingdom
- AP - ITS-2311 Development of web-based V2X field test & analysis system using big data solution**
Hong-Jong Jeong, ZENOME Inc., Republic of Korea
- EU - ITS-2438 Concrete public sector challenged cases to open urban and safety related traffic data**
Kimmo Ylisiurunen, Infotripla Ltd, Finland
- EU - ITS-2479 Sharing information in a traffic management centre**
Henk den Breejen, Technolution B.V., Netherlands
- EU - ITS-2539 The next revolution in floating car data analytics- network wide traffic volume data**
Dafna Kremer, Decell Technologies, Israel

■ **TOPIC: 4. Urban Trends Driving ITS changes**

EU - ITS-1189 Digital transformation challenges for ITS

Lea Jackel, Sopra Steria, France

EU - ITS-1319 Wireless vehicle detection: railway stations - short duration stays

Olivier Koch, Tinynode, Switzerland

EU - ITS-1419 Energy saving in public transport

Thomas Sagiadinos, CEGELEC Mobility, France

EU - ITS-1719 The public transport mobile app revolution: meeting customer expectations

Birgitte Woolridge, Rejseplanen A/S, Denmark

EU - ITS-1974 The great challenges of the complete automation of Paris metro line 1

Laude-Auxane de Verdun, SIEMENS, France

EU - ITS-2243 Elderly friendly public transport information services

Mika Varjola, Mattersoft Ltd., Finland

EU - ITS-2385 Belgium public transport at the time of contactless

Michel Sejalon, Egis, France

EU - ITS-2504 Smart parking: Orange experiments a smart video solution in car sharing areas

Philippe Legay, Orange, France

EU - ITS-2595 The trend toward mobility service integration: the case of ECIM

Susie Ruston, 21c, United Kingdom

International Benefits, Evaluation and Costs Sessions

IBEC1 - How to identify the proper ITS-Evaluation Methodology?

Tuesday 6 October 2015 - 13:30 - 15:00

Palais des Congrès - Room E1 & E2

TOPIC: Cross Cutting

Evaluation is the most appropriate tool to create an understanding of expenditures on ITS leading to ITS deployment around the globe. But in order to measure the impact of ITS deployment regarding the policy goals, commonly agreed KPIs are needed. The following questions arise from these circumstances: Has the impact of ITS become measurable because of the use of common KPIs? Are harmonised KPIs enough to get comparable evaluation results? What about the data collection methods for each KPI? In addition to harmonised KPIs do we need harmonised evaluation methods too?

Organiser

Martin Boehm, AustriaTech, Austria

Moderator

Martin Boehm, AustriaTech, Austria

Speakers

Julie Raffailac, DG MOVE, European Commission

Glenn Geers, NICTA, Australia

Luca Studer, Politecnico di Milano, Italy

Jane Lappin, US DOT, United States

Lone Dörge, Genua Consult, Denmark

IBEC2 - Reliable data for ITS Deployment

Tuesday 6 October 2015 - 15:30 - 17:00

Palais des Congrès - Room E1 & E2

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Monitoring and evaluating impacts of ITS technology can reinforce integration of ITS concepts into decision-making processes; hence can support ITS deployment. However, gathering reliable and comparable data from various sources and presenting it in a common language and in an easy to understand way has been a challenge for ITS experts for many years. This session aims to highlight the current state of ITS data in the 3 Regions, and to discuss ideas on how to solve problems related to ITS data availability and compatibility, how to move forward and what the potential opportunities for cooperation are. This session will also address the generation and contribution of various Big Data to the evaluation paradigm.

Organiser

Svetlana Popova, ERTICO - ITS EUROPE

Moderator

Paul Kompfner, ERTICO - ITS EUROPE

Speakers

Jason Chang, National Taiwan University, Chinese-Tapei

Friedl Maertens, IBM, Belgium

Bipin Radia, European Commission

Martin Boehm, AustriaTech, Austria

Marcia Pincus, United States Department of Transportation (USDOT), United States

IBEC3 - Evaluation of Connected Automated Driving

Thursday 8 October 2015 - 13:30 - 15:00

Palais des Congrès - Room E1 & E2

TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Highly or fully automated cars and trucks raise new questions about evaluating benefits and costs. They promise to: (i) improve traffic safety by reducing driver workload and minimizing human errors due to driver distraction or reduced vigilance; (ii) increase mobility through reduction of congestion (iii) reduce vehicle emissions and fuel consumption; and (iv) provide individual, organizational and commercial productivity improvements. But to what extent, are these benefits likely to be realized? How will drivers actually behave and react? What happens when there is a crash — are occasional tragedies something we can factor in to the benefits and costs calculations? What new metrics and performance measures do we need to consider in deployment? The session will focus on the challenge of evaluating these potential benefits and costs, with illustrative evaluation studies. What impact will result to road infrastructure? Less cost for operation and installation of electronic/communication equipment or improved cost (installation/operation)?

Organiser

Alan Stevens, Transport Research Laboratory, United Kingdom

Moderator

Richard Harris, Xerox, United Kingdom

Speakers

Marcia Pincus, United States Department of Transportation (USDOT), United States

Glenn Geers, NICTA, Australia

Pirkko Rama, VTT Technical Research Centre of Finland, Finland

Trent Victor, Volvo, Sweden

Reinhard Pfliegl, A3PS, Austria

Christoph Stiller, KIT Karlsruhe Institute for Technology, Germany

IBEC4 - Is Evaluation really used by Decision Makers for Deployment-Decisions?

Thursday 8 October 2015 - 15:30 - 17:00

Palais des Congrès - Room E1 & E2

TOPIC: Cross Cutting

Several working groups and task forces within projects were installed in order to plan evaluation, share evaluation results and evolve the evaluation process. But every project has an end and so has the accompanying evaluation group. What happens with the work achieved in these groups dedicated to evaluation? Are we reinventing the wheel over and over again with each new project or is the work done used by decision-makers? This session will try to give an overview of the lessons learned from the use of evaluation made by decision makers and which evaluation methods or evaluation approaches are currently in use.

Organiser

Martin Boehm, AustriaTech, Austria

Moderator

Meng Lu, Dutch Institute for Advanced Logistics, Netherlands

Speakers

Paul Vorster, ITS South Africa, South Africa

Daniel Hobbs, AECOM, United Kingdom

Caroline Visser, IRF, Switzerland

Carol Kuester, Metropolitan Transportation Commission - MTC, United States

Stakeholder Workshops

SW1 - European driverless trials and demonstrators

Tuesday 6 October 2015 - 15:30 - 17:00

Palais des Congrès - Amphi C

■ **TOPIC: 6. Automated Roads, Automated Management, Automated Driving**

SW2 - Automated & connected vehicles: the legal and policy road ahead

Thursday 8 October 2015 - 13:30 - 15:00

Palais des Congrès - Amphi C

■ **TOPIC: 6. Automated Roads, Automated Management, Automated Driving**

How will my personal privacy be protected? Who will be responsible if I have a crash with my automated vehicle? Who will own the licence for the car I drive? How will my company be able to sell into domestic and international markets if the rules are different in each? As a manufacturer, how do I deal with long-standing safety rules that actually work against the deployment of automated vehicles (e.g. the Vienna Convention)? These are just some of the questions that arise when thinking about a fully operational transportation system that includes connected and automated vehicles. This session will examine a number of these legal and policy issues. Short presentations will be given to provide background information on the various issues. This will be followed by a moderated discussion to update the progress being made in resolving these issues and, finally, to highlight where there are challenges remaining. Session co-organizers will use the results of this session to prepare a white paper on legal and policy issues that will be posted to public websites for use by governments, industry and researchers.

Organiser

Susan Spencer, Spencer & Associates, Canada
Reinhard Pfliegl, A3PS, Austria

Moderator

Susan Spencer, Spencer & Associates, Canada

Speakers

Ian Yarnold, Department for Transport, United Kingdom
Terry Bergen, International Road Dynamics, Canada
Karlyn Stanley, RAND Corporation, United States
Eric Sampson, University of Newcastle, United Kingdom
Chris Koniditsiotis, Transportatiion Certification Australia, Australia

SW3 - Moving ideas from the research lab to production

Tuesday 6 October 2015 - 17:15 - 18:45

HALL1 EXPO - Commercial Atrium

■ **TOPIC: 5. Solutions for Sustainable Mobility**

In today's global world, research and innovation are crucial to improve mobility and to enhance business competitiveness. Transforming scientific research into real commercial products is a complex process involving a wide range of players. We need to encourage researchers and their institutions to better recognize the value of the industry-led-research and encourage industry to greater recognize the potential of research to their corporate goals. This session will provide information and real world examples, from research centres across the globe of successful collaborations between research and business entities to bring ideas from a lab to a real world.

Organiser

Leonid Antsfeld, Business Development in Transportation, Xerox Research Centre Europe, France

Moderator

Nour-Eddin El Faouzi, IFSTTAR, France

Speakers

Patrick Mallejacq, IFSTTAR, France
Rob Fitzpatrick, Transport & Logistics, NICTA, Australia
Ken Mihalyov, Transportation, PARC, United States
Pirkko Rama, VTT Technical Research Centre of Finland, Finland
Leo Kusters, TNO, Netherlands
Victor Ciriza, XRCE, France

SW4 - Ports and hinterland traffic + SIS00 - Intermodal ITS solutions in and around ports

Wednesday 7 October 2015 - 14:00 - 17:30

Palais des Congrès – Room E1 & E2

TOPIC: 3. Multimodal Transport for People and Goods

How can the co-operation between ports and the intermodality between ships, trucks and trains be co-ordinated by ITS? There shall be information about that in a chain from the exiting harbour until arrival. For critical goods a special treatment shall be included. And if a lack of space or time exist, co-operation between different ports can be supported by ITS. This SIS will be followed by a workshop where the outcome of the SIS will be reflected to create visions for future projects.

Organiser

Norbert Handke, ITS Deutschland, Germany

Moderator

Inger Gustafsson, VINNOVA, Sweden

Neal Skelton, ITS UK Professional Services, United Kingdom

Speakers

Giovanni Huisken, MAP Traffic Management, Netherlands

Martin Russ, AustriaTech, Austria

Christophe Reynaud, MGI (CCS Marseille), France

Sascha Westermann, Hamburg Port Authority, Germany

Daniel Zackrisson, Volvo, Sweden

Josep Maria Salanova Grau, Hellenic Institute of Transport, Greece

Fernando Zubillaga, MLC ITS, Spain

Angelos Amditis, Institute of Communication and Computer Systems (ICCS), Greece

Larry E. Henesy, Blekinge Institute of Technology, Sweden

Johan Scholliers, VTT Technical Research Centre of Finland, Finland

Aurimas Lukosiusas, Affecto, Lithuania

Walter Ukovic, University of Trieste, Italy

Maria Pia Fanti, Polytechnic of Bari, Italy

Tim Morris, Transport for Greater Manchester, United Kingdom

SW5 - City-Industry Cooperation for Low-Carbon Mobility

Thursday 8 October 2015 - 14:00 - 17:30

Palais des Congrès - Amphi C

TOPIC: 4. Urban Trends Driving ITS changes

Organised in the framework of the Sustainable Urban Mobility day this high level event will present how ITS technologies can help cities to reduce their CO2 emissions; hence foster their low-carbon mobility policies. Cities need to find and deploy appropriate and effective measures that will reduce transport impacts on the environment while fulfilling growing mobility needs and strengthening sustainability. In the perspective of COP21 in Paris this year, Mayors of cities and C-level leaders from the ITS Industry will share their experience, will present current projects and lessons learned; moreover will discuss new organisational and business models for ITS Deployment.

Organiser

Svetlana Popova, ERTICO - ITS EUROPE

Moderator

Paul Kompfner, ERTICO - ITS EUROPE

SW6 - Improving mobility in non-traditional ITS Markets

Thursday 8 October 2015 - 15:30 - 18:45

Palais des Congrès – Room D1 & D2

■ TOPIC: 4. Urban Trends Driving ITS changes

ITS solutions have been seen for a long time for high revenue countries. The reason is that it was initiated by industry, mainly car industry, and public authorities in Europe, US and Japan. But with time, the situation has evolved and new technologies are now largely disseminated in medium and even low revenue countries. Today, new and often frugal ITS solutions are already in place in developing countries. However, their deployment may encounter other types of difficulties, different from those encountered in OECD countries. The purpose of this workshop is to share experiences coming from those countries. The session is organised in cooperation with the World Road Association (PIARC Technical Committee on Road Operation) and ITS Africa.

Organiser

Paul Vorster, ITS South Africa, South Africa

Moderator

Martial Chevreuil, Egis, France

Speakers

Kamel ELARABA

Hamid TORFEHNEJAD

Mary TRAORE

Douglas Davey, Traffic Management Technologies, South Africa

Abiyu Berlie, ITS Ethiopia, Ethiopia

Joshua Odeleye, Nigerian Institute Transport Technology, Nigeria

French Sessions

The French Sessions will focus on ITS deployment in France and they will be conducted in French. These sessions are coordinated by ATEC ITS France.

FS1 - Utilisation des « Big Data » en matière de mobilité intelligente: état de l'art et innovations

Tuesday 6 October 2015 - 13:30 - 15:00

Palais des Congrès - D1 & D2

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Capteurs, véhicules connectés, internet des objets : de plus en plus de données disponibles... Croissance du trafic, densification et saturation des réseaux, multimodalité, nouveaux usages et ressources partagées: des systèmes de transports de plus en plus complexes et interdépendants... Quelles réponses concrètes les « big data » et leurs capacités de prédiction et de modélisation apportent-elles aux métropoles... et aux citoyens ? Où en sont les laboratoires de recherche, les métropoles, les industriels de la mobilité ? Quand et comment ces nouvelles technologies vont-elles modifier les usages et rendre la mobilité « plus intelligente » et plus réactive pour l'utilisateur ?

Organiser

Yves Daumas, IBM FRANCE, France

Moderator

Philippe SAJHAU, IBM FRANCE, France

Speakers

Laurent Briant, CITYWAY, France
Thierry Elkaim, TRANSDEV, France
Laura WYNTER, IBM Singapore, Singapore
Jean Coldefy, Grand Lyon, France
Thomas Baudel, IBM FRANCE, France

FS2 - Comment anticiper les influences des données sur la mobilité ?

Tuesday 6 October 2015 - 15:30 - 17:00

Palais des Congrès - D1 & D2

TOPIC: 7. Are Big Data and Open Data Transport's 'Silver Bullets'?

Concrétisées par la généralisation des objets connectés (smartphones, capteurs,...), les évolutions continues des technologies numériques accompagnent un bouleversement des cultures et des usages, se construisant sur les principes de consommation collaborative et participative. Dans ce cadre, les sources, la nature et le volume des données à traiter sont de plus en plus conséquents et divers : comment faire la synthèse des différentes possibilités technologiques, économiques, organisationnelles, pour un traitement collectif des données, au bénéfice du management des mobilités à l'échelle d'un territoire ? Différents types d'acteurs (aménagement, opérateurs, fournisseurs, ...) introduiront les enjeux et moyens qu'ils identifient dans cet objectif.

Organiser

Charlotte Allenet, Seteclab Données et Mobilité, France

FS3 - L'électromobilité en France, un enjeu régional, tant pour le développement et l'aménagement de nos territoires que pour accompagner l'évolution de la mobilité

Tuesday 6 October 2015 - 17:15 - 18:45 (Palais des Congrès - D1 & D2)

TOPIC: 5. Solutions for Sustainable Mobility

Les Régions Françaises sont au cœur de la coordination des politiques locales. Elles interviennent notamment en tant que pilotes du développement économique, de l'aménagement du territoire et de l'intermodalité. Dans un contexte de transition énergétique, 5 Régions Françaises (Ile-de-France, Nord-Pas-De-Calais, Haute-Normandie, Bourgogne, Bretagne), pour lesquels la coordination des services de mobilités offerts aux citoyens et le développement du véhicule électrique représentent des enjeux stratégiques, viennent, par la voix de leurs élus, partager leurs points de vue, leurs enjeux (touristiques, production automobile, ruralité...), leurs politiques.

Organiser

Florent Zanoto, Setec its, France

FS4 - eCall 2017: vers le SOS automatique et la voiture connectée pour tous

Wednesday 7 October 2015 - 11:00 - 12:30

Palais des Congrès - D1 & D2

■ TOPIC: 2. Cooperative ITS Deployment Challenges

Le déploiement d'un eCall obligatoire correspond à la bascule généralisée du véhicule particulier dans la mobilité connectée. L'assurance, ainsi que les autres acteurs de la mobilité, devront s'adapter pour proposer des réponses aux nouveaux besoins générés, au-delà de la seule mobilité, par le développement des objets et des services connectés. La sécurisation de l'accès à l'intelligence embarquée des véhicules et la protection des données personnelles seront deux enjeux majeurs de l'innovation et de la réglementation.

Organiser

Antoine Trarieux, Director of Connected Services - Automotiev Sector, Inter Mutuelles Assistance, France

Moderator

Antoine Trarieux, Director of Connected Services - Automotiev Sector, Inter Mutuelles Assistance, France

Speakers

Julien Fey, Splitsecnd, France

Jérôme Gerbeaux, SDIS de la Vienne, France

Roland Jouannetaud, UNAC Union Nationale des Automobiles Clubs, France

Jean-François Huère, PSA Peugeot Citroën Automobiles, France

Renan LE-DRET, BPCEA Assurances, France

FS5 - Le projet SCOOP@F

Wednesday 7 October 2015 - 16:00 - 17:30

Palais des Congrès - D1 & D2

■ TOPIC: 2. Cooperative ITS Deployment Challenges

SCOOP@F est un projet pilote pour le déploiement en France de systèmes de transport intelligents coopératifs. Il a pour objectif de préparer à partir de 5 sites pilotes un test à grande échelle pour amorcer un déploiement national à l'horizon 2020. Il est caractérisé par la variété des services testés et par la diversité des types de routes concernés. La session vise à présenter le projet en faisant entendre la voix des gestionnaires d'infrastructures et constructeurs automobiles qui y participent. Elle est complétée par des exposés techniques couvrant plusieurs aspects des spécifications du système SCOOP@F.

Organiser

Eric Ollinger, MEDDE, France

Moderator

Eric Ollinger, MEDDE, France

Speakers

Christine Tissot, Renault, France

Gerard SEGARRA, VICI Vehicle Infrastructure Cooperative Innovation, France

Erwan Broquaire, CEREMA, France

Alain Servel, PSA, France

Christophe Desnouailles, CEREMA, France

Marie-Christine Esposito, DIRIF, France

Eric Ollinger, MEDDE, France

FS6 - Les défis théoriques et techniques de la conduite automatisée

Thursday 8 October 2015 - 09:00 - 10:30

Palais des Congrès - D1 & D2

■ TOPIC: 6. Automated Roads, Automated Management, Automated Driving

Des véhicules automatisés ont été démontré depuis des années, dans des environnements de plus en plus variés. Mais avant de parvenir à les déployer en masse, il reste des défis majeurs, non seulement techniques (amélioration des fonctions de perception, de communication, de contrôle) mais aussi théoriques : comment concilier coopération et autonomie de décision ? Comment mesurer la sécurité dans un environnement mal défini ? Cette session donnera quelques éléments des verrous identifiés par l'industrie et des recherches conduites par les laboratoires, notamment à travers la chaire internationale MINES ParisTech Drive for You.

Organiser

Arnaud de La Fortelle, MINES ParisTech Center for robotics, France

Moderator

Arnaud de La Fortelle, MINES ParisTech Center for robotics, France

Speakers

Denis Gingras, Université de Sherbrooke, France

Guillaume Devauchelle, Valeo, France

Vincent Abadie, PSA Peugeot-Citroën, France

Arnaud de La Fortelle, MINES ParisTech Center for robotics, France

FS7 - Innovation et transition : le vélo au cœur des mobilités

Thursday 8 October 2015 - 11:00 - 12:30 (Palais des Congrès - D1 & D2)

TOPIC: 5. Solutions for Sustainable Mobility

Le Club des villes et territoires cyclables, en partenariat avec la FING et en lien avec La Fabrique des mobilités (Ademe), a lancé début 2015 le programme « Innover pour le vélo » afin d'explorer le potentiel de conception de nouveaux services, de développement économique et de création d'emplois générés par la montée en puissance de l'écosystème vélo. La session francophone du congrès ITS serait l'occasion de présenter les scénarios d'usages et de croiser les regards d'élus, experts et industriels sur l'impact des nouveaux services à la mobilité et le rôle accru des mobilités actives dans les déplacements du quotidien.

Organiser

Veronique Michaud, Club des villes et territoires cyclables, France

Moderator

Denis Pansu, FING (Fondation internet nouvelle génération), France

Speakers

Simon Chignard, Cantine numérique rennais, France

Brigitte Terraza, Bordeaux Métropole, France

Gabriel Plassat, Ademe, France

Jérôme Valentin, UNIVELO (Union nationale des industries du cycle), France

FS8 - Stationnement en voirie : les nouveaux modes de paiement et de contrôle

Thursday 8 October 2015 - 13:30 - 15:00 (Palais des Congrès - D1 & D2)

TOPIC: 4. Urban Trends Driving ITS changes

Avec la dépenalisation du stationnement à venir pour début 2016 en France, les autorités publiques réfléchissent à la mise en place de solutions complètes d'amélioration de la politique de stationnement en ville. Cette politique repose sur une harmonisation tarifaire entre la voirie et ouvrage, une meilleure gestion des véhicules de résidents et un meilleur respect du paiement. Elle doit mener à une diminution de la congestion urbaine et de la pollution (GES et particules fines). Cette session se propose de faire un tour du monde pour étudier les solutions déjà mises en place par nos voisins, mais également de mettre en lumière les différentes technologies à disposition pour une gestion plus optimisée des aires de stationnement dans les villes, et pour un contrôle plus efficace.

Organiser

Pascal Lemonnier, Egis Projects, France

Moderator

Pascal Lemonnier, Egis Projects, France

Speakers

François Levert, Stiom, France

Oliver Warrot, Xerox, France

Michael Sdika, Afs2r (groupe STERELA), France

Benoit Sellier, TTS Parking, France



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23 motorways and operating companies

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23 sociétés concessionnaires et exploitantes

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Des services de mobilité et de sécurité



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Associated Events

DATE:
Sunday 4 October 2015

TIME: 08:30 – 12:30

LOCATION: Palais des Congrès

ROOM: F1 & F2

CONTACT: Gummada Murthy,
gmurthy@aashto.org

WEBSITE: www.fot-net.eu

DATE:
Monday 5 October 2015

TIME: 09:00 – 15:30

LOCATION: Palais des Congrès

ROOM: F1

CONTACT: Maria Afsar,
m.afsar@mail.ertico.com



WEBSITE: www.opticities.com

DATE:
Monday 5 October 2015

TIME: 13:00 – 16:00

LOCATION: Palais des Congrès

ROOM: G1 & G2

CONTACT: Peter Staelens,
peter.staelens@eurocities.eu

12th AASHTO International Day

The 12th AASHTO International Day will bring together leaders from around the globe to discuss emerging transportation activities in the Connected Vehicle, Autonomous Vehicle,

Intelligent Transport Implementation and new this year, some discussion on Smart Cities.

FOT-Net Data International Workshop ITS and Connected Vehicle Data: from Field Operational Tests to Deployment

FOT-Net is a networking platform of stakeholders interested in Field Operational Tests (FOTs). The different regions (Europe, Asia-Pacific and North America) cooperate on common FOT issues, such as data handling and sharing, methodology and deployment. This workshop, organised in collaboration with the US-DOT, aims to facilitate exchange of information on FOTs and data sharing between the three regions, and will focus on challenges and opportunities with data collection, sharing, and management, as connected vehicle programs transition from research to deployment.

In the last ten years a large number of FOTs have been conducted. These FOTs answered questions about the use of ITS and connected vehicles in real traffic conditions and their impacts on safety, mobility, efficiency and the environment. Currently deployment pilots are ongoing or planned where the emphasis is no longer testing but implementation of operational systems in order to pave the way for full-blown deployment of connected vehicle infrastructure, applications and services.

The type of questions we want to address in this workshop is:

- How can lessons learned from FOTs concerning data ownership, personal data and anonymisation be used in the deployment phase?
- How to deal with research versus operational data?
- How can stakeholders profit from international sharing of data and experiences from FOTs and pilots?
- Which research areas or specific questions need to be answered to enable and facilitate deployment, and can analysis of existing FOT datasets provide some of the answers?

In the workshop we will have presentations from FOTs and pilots from the three regions. There will be discussions in small groups, addressing these questions and exploring potential solutions. This workshop is meant for everyone interested in ITS and connected vehicle data sharing, people working in FOTs, decision-makers in private and public organisations, data experts and transport researchers. We strongly encourage the participants to bring their own questions and experiences.

Opticities Tutorial Session

The first OPTICITIES Tutorial Session aims to bring together European cities and ITS practitioners to share knowledge on the challenges and benefits of smart mobility for municipalities. Through interactive sessions, our experts

will discuss the OPTICITIES experience with multimodal urban navigators, traffic prediction tools and connecting mobility apps to in-car systems.



8th European Conference on ICT for Transport Logistics



WEBSITE: www.ecitl.eu

LOCATION: Palais des Congrès

DATE, TIME & ROOMS:

- Monday 5, October 2015
12:00 – 16:30 – Room F2
13:30 – 16:30 – Room H2
- Tuesday 6, October 2015
09:00 – 11:00 – Room F1 & F2
12:00 – 16:30 – Room G1 & G2
12:00 – 16:30 – Room H1 & H2
- Wednesday 7, October 2015
09:00 – 13:30 – Room E1 & E2
10:30 – 14:00 – Room G1 & G2

CONTACTS:

Florian Maurer,
florian.maurer@fhv.at and
Lina Konstantinopoulou,
l.konstantinopoulou@mail.ertico.com

Intelligent logistics solutions such as ITS, electronic freight, and intelligent cargo are the main catalysts for innovative Transport Logistics and Supply Chain Management. Intelligent logistics solutions are mainly determined by increased use of inter-connected information and communication technology (ICT) including data sharing, knowledge transfer, cooperation and collaboration. While experts estimate that by the year 2020 about 30 000 000 000 inter-connected devices will be in circulation, today the Logistics- and Supply Chain Industries are in a revolution: The intelligent logistics solution approach extends the WEB2.0 technologies in logistics and supply chain management to a holistic digital economy.

The conference theme will be “Intelligent logistics solutions – a catalyst for digital economy” and will focus on Intelligent Transport Systems (ITS), Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I), etc. These technologies

are not only essential for the introduction of Electronic Freight (e-freight); but they are also an innovative trend enabling sustainable logistics, intelligent cargo and resource-efficient employment of resources. The deployment of ITS helps to strengthen the entire logistics and supply chain network, and to engineer more robust and resilient supply chains.

During the ECITL professionals and specialists from the industry, governments and research in the field of Transport Logistics, Supply Chain Management, Information and Communication Technologies and Intelligent Transport Systems will come together to exchange knowledge, discuss innovative and emerging trends and to build national and international partnerships.

The 8th ECITL is organised by the Vorarlberg University of Applied Sciences and ERTICO – ITS Europe under the umbrella of the European CIP project CO-GISTICS.

The Arts Cost Tud 1102 Final Conference

WEBSITE: www.cost-arts.org

DATE:

Tuesday 6 and Wednesday
7 October 2015

TIME: 09:00 – 17:00

LOCATION:

Hotel Novotel Bordeaux LE LAC

CONTACT:

Neila Bhourri,
neila.bhourri@ifsttar.fr



The aim of the final conference will be to present the results and outcomes of the four year COST Network Action called “Towards Autonomous Road Transport Support Systems”, which has members in 24 countries throughout Europe. The conference will consist of presentations and demonstrations given by members of the Action, such as:

- Special Plenary invited speakers

- Scientific advances within the community
- Roadmap Dissemination
- Business Case
- Technology Demonstrations
- Q and A sessions on specific topics
- What next for the ARTS community?

Use of Telematics for Dangerous Goods Transport

DATE:

Tuesday 6 October 2015

TIME: 14:00 – 17:30

LOCATION: Palais des Congrès

ROOM: F1 & F2

CONTACT:

Jean-Philippe Méchin,
Jean-Philippe.Mechin@cerema.fr

In September 2007, the RID/ADR/ADN Joint Meeting described terms of reference of the informal Working Group on the use of telematics for the carriage of dangerous goods. The work programme established 16 items to be addressed.

In recent years, the Joint Meeting has validated the Working Group’s progress in the form of the “Who does What” table, the “Architecture Principle” and the “Exchange Format”.

The French project GeoTransMD has been identified to implement these choices and thus contribute to an impact assessment. Results will be presented to the Working Group during this workshop.

All actors interested by the future evolution of the regulation for dangerous goods inland transport are invited to join this event.

BigDataEurope Workshop

WEBSITE: www.big-data-europe.com, <https://www.w3.org/community/bde-transport/>

LOCATION: Palais des congrès

DATE AND TIME:
Wednesday 7 October 2015
08:30 - 13:00

ROOM: H1 & H2

CONTACT:
Maria De Rycke m.derycke@mail.ertico.com



The workshop focuses on Big Data in the H2020 societal Challenge Smart, green and integrated transport. Participants to this workshop will have the opportunity to influence the design, and ultimate benefit from the Big Data platform that the BigDataEurope project will deliver. This platform aims to facilitate Big Data usage in real world examples, and will consist of an architecture, components, guidelines and best practices to make the best of Big Data in this case in the setting of Transport.

The workshop will focus on the elicitation of requirements for Big Data management within the intelligent transport domain.

The workshop will consist of a number of sessions, each with 2 to 3 keynote speakers, followed by an interactive discussion. The sessions will cover:

- BigDataEurope and existing Data-centric initiatives in Transport
- Existing and potential Big Data use-cases and applications in Transport
- Technical requirements for a Big Data Platform in Transport

The activities in the transport domain will focus in particular on streaming sensor network and geo-spatial data integration.

The workshop is the first in a series of three workshops. The future workshops will focus on the alignment and improvement of the specifications, and on the evaluation of project technologies on selected use cases. The next workshops will take place in 2016 and 2017.

BigDataEurope aims to develop an adaptable, easy to deploy end use solution, which will allow interested stakeholder groups to extend their Big Data solutions or introduce Big Data technologies to their business processes. All European stakeholders will be able to use a platform based on a concrete methodology for producing technically sound solutions and maximizing their outreach to their relevant communities.

BigDataEurope will

- build a network of stakeholders belonging to the European society key sectors including the transport sector, organise relevant workshops and then launch interest groups to help shape requirements and work charters. The workshops will be covering the whole process of data usage starting from data collection, over to processing, storage and visualisation up to the development of data services.
- design, realise and evaluate a BigDataAggregator Platform infrastructure that meets the requirements of users from the societal key sectors, minimises the disruption to current workflows, and maximises the opportunities to take advantage of the latest European RTD developments.

Stakeholders interested in BigDataEurope can join the discussions in the BDE-Smart, Green and Integrated Transport Community Group <https://www.w3.org/community/bde-transport/>.



“ITS for sustainable mobility and the mitigation of climate change”

WEBSITE:
www.predim.org
www.unece.org/index.php?id=39185
www.unece.org
www.challengebibendum.com

DATE:
 Wednesday 7 October 2015

TIME: 09:00 – 17:30

LOCATION: Palais des Congrès

ROOM: F1 & F2

CONTACT:
 Dany Nguyen-Luong,
dany.nguyen-luong@iau-idf.fr



France (Predim) and UNECE join their forces to organize this international conference on the contribution of ITS in the reduction of climate change, with the support of Michelin Challenge Bibendum. Created in 2001 by the French Ministry of Ecology, Predim is the French platform for research and experimentation in innovation of mobility. Set up in 1947, the United Nations Economic Commission for Europe (UNECE) is a multilateral platform that facilitates greater economic integration and cooperation among its member countries and promotes sustainable development and economic prosperity through, among others, policy dialogue.

Climate change is at the top of our priorities and there is a common understanding for the need to increase the capacity of countries in dealing with this challenge. In line with the up-coming COP21 event, during this

conference, international experts and high-level decision-makers will give presentations on how new services in mobility and ITS technologies can improve road safety and transport efficiency as well as be used to mitigate climate change. Indeed, sustainable mobility is a key objective and ITS provide a wide range of technologies and organization systems that could help reduce the environmental impacts of road transport. Raising awareness on ITS is essential but benefits can only be obtained with subsequent follow-up action. This is why the presentations will show many recent solutions and real case studies dealing with eco-driving, management of the last mile in urban logistics, autonomous car, mobile applications, etc.

Registration is free but compulsory (limited number of places).

Compass4D Final event – One step closer to C-ITS deployment in cities

WEBSITE:
www.compass4d.eu

DATE:
 Wednesday 7 October 2015

TIME: 13:00 – 18:00

LOCATION: Palais des Congrès

ROOM: Amphi C

CONTACT:
 Carla Coppola,
c.coppola@mail.ertico.com

Compass4D stands for “Compass for deployment”; it is a European co-funded project under the CIP (Competitiveness and Innovation Programme) that for three years worked with European cities, road operators, vehicle fleets and road transport stakeholders that want to move towards sustainable deployment of cooperative ITS services.

Compass4D final event will show how the project is deploying and ensuring after-project life of its three piloted C-ITS services (Road Hazard Warning, Red Light Violation Warning, and Energy Efficiency Intersection) in the seven Compass4D cities (Bordeaux, Copenhagen, Helmond, Newcastle, Thessaloniki, Verona and Vigo) and how it is setting as best practise in other cities and regions (in many areas of The

Netherlands, Sunderland in the UK, Tampere in Finland and Mechelen in Belgium). The event will illustrate the concrete benefits (specifically economical, environmental and social) of the Compass4D services in cities as well as bringing examples of current and planned investments between cities and the industry partners involved (fleet, service providers, telecommunication operators, etc.).

In addition to this event, during the whole week of the ITS World Congress, Compass4D final event attendees as well as Congress delegates, will have the chance to see the full potential of C-ITS and the harmonisation of services at global level on the urban and inter-urban public roads of Bordeaux.



Piloting Cooperative Services for Deployment

WEBSITE:

www.cost.eu/COST_Actions/tud/Actions/TU1302

DATE: Thursday 8 October 2015

TIME: 09:00 – 12:30

LOCATION: Palais des Congrès

ROOM: F2

CONTACT:

Francois Peyret,
francois.peyret@ifsttar.fr

GNSS services and performance standardisation workshop

The event is a **workshop organised by ERTICO – ITS Europe and the SaPPART COST Action**, with the following objectives:

- To inform the attendees of the ITS community on all the positioning services offered by present and future Global Navigation Satellite Systems (GNSS), with a specific emphasis on the coming Galileo services,
- To raise awareness about the necessity of certification frameworks underpinned by agreed standards for safety-critical and liability-critical applications,
- To present the work going on at CEN-CENELEC and at ETSI on standardisation of positioning performances for ITS and personal mobility

and to show how these new standards could fill the gaps existing about positioning in the current existing ITS standards and regulations,

- To exchange about certification schemes to be put in place.

The speakers will be high-level experts from the GNSS industry, from the automotive industry, from standardisation organisations and from the European GNSS agency.

The expected participants are mainly the European ITS stakeholders who wish to increase their knowledge on the positioning issues in the ITS world, particularly those who develop or specify systems critically based upon positioning information.

Mini-Symposium: Transforming Freight Movement Through ITS

DATE: Friday 9 October 2015

TIME: 09:00 – 13:30

LOCATION: Palais des Congrès

ROOM: F1

CONTACT:

Bernard Jacob,
bernard.jacob@ifsttar.fr

This associated event will complement and develop the concepts and idea introduced in the SIS "ITS solutions for road freight transport compliance and efficiency". On-board and interactive solutions (V2X and X2V) involving lorries, infrastructure and stakeholders will be presented and discussed to improve freight transport performance such as emissions, fuel consumption, road safety and capacity, congestion, and capacity utilization.

Technologies such as eco-driving assistance, platooning, dynamic vehicle routing, infrastructure electrification contribute to reducing the environmental impact of freight transport and a reduction of fossil energy and CO² emissions.

Road safety and congestion will be improved with advanced technologies and safer or more adapted driver behaviour, such as anti-rollover and knife-jacking systems, dynamic speed control, advanced driving assistance (ADAS), vulnerable road users detection, warnings and vehicle control intervention.

Electronic compliance systems allow road and traffic managers to give individual access permits to vehicles (IAP). These systems will support future regulation. They depend on vehicle to infrastructure integration with weigh-in-motion, global positioning systems, DSRC communication and on-board units, e-communication, etc. Improved monitoring and enforcement of heavy vehicles is becoming more advanced and challenging as the fleet diversifies.

The event will be divided into 3 sessions: (1) Energy and environment issues, (2) Safety and efficiency of heavy commercial vehicles, and (3) Regulation and compliance. Each session will combine a series of 4 presentations (15 mn each) followed by a panel discussion (20 mn) involving international experts and the audience. The event will be supported by IFRTT, ISWIM, PIARC/CT2-3, OECD/ITF, ETRAC and FEHRL.

Workshop On Cooperative Systems For Sustainable Transportation

DATE: Friday 9 October 2015

TIME: 09:00 – 12:00

LOCATION: Palais des Congres

ROOM: H1 & H2

CONTACT:

Jean-Charles Pandazis,
jc.pandazis@mail.ertico.com

The EU-US Sustainability Working Group (SWG) is conducting its 2nd joint workshop on October 9th 2015 in Bordeaux, France. The objective of the workshop is to help identify the SWG's activities for the next few years. The EU-US SWG has been engaged in joint activities since its inception in 2009. Over the past year, the SWG completed five white papers on various topics related to connected vehicle applications and strategies designed to reduce the environmental impact of surface transportation. These white papers identified commonalities and differences in the research carried out in the two regions.

The research gaps identified in the white papers can potentially translate to research areas that the SWG could jointly explore from 2016 through 2020. During the workshop, the international audience will be engaged to deliberate and prioritize the research topics, and discuss prospects for collaborative research. The discussions will take place in the context of Horizon 2020 in the EU and the future of the Connected Vehicle research program in the US.



Solutions for the street, powered by HERE



To realise the full potential of ITS, now is the time to make sense of the massive quantities of real-time data from millions of connected devices and vehicles. The HERE Location Cloud makes this possible.

In collaboration with Nokia Networks and other industry partners, we've developed a new class of services for car makers, governments, insurers and network operators. Beyond-the-horizon awareness and real-time hazard warnings across devices

and vehicles are becoming a reality. Our technology can also help optimise mobile and road networks and insurance services.

With 30 years experience, HERE is your trusted partner to deliver the data, analytics and services needed to plan and operate safer transport, cleaner environments and smarter cities.

To find out more, please visit our booth at B 63

Technical Visits

The technical visits are organized by TOPOS Aquitaine.

Bordeaux Harbourmaster's Office – Grand Port Maritime de Bordeaux

DATE AND TIME:

Departure from CEB 30 min before the visit

Tuesday 6 October 2015
10:00, 14:00

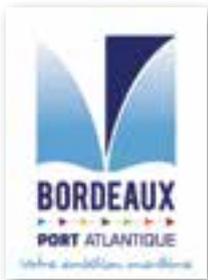
Thursday 8 October 2015
10:00, 14:00

DURATION:

Each tour will last 2:00

MAX. PARTICIPANTS: 20

PRICE: 20.00€ VAT Excl.



Bordeaux Harbourmaster's Office

Atlantic Port of Bordeaux is an industrial and logistic platform based on 7 sites spread over 100 km the estuary of Gironde, Europe's largest estuary.

Conveniently located on the Atlantic coast, it's the Southwest multimodal nodes located on the Atlantic Corridor trans-European transport. Such a site is a major challenge for navigation, logistics, development of industrial and port activities, but also for the environment and sustainable matters.

Many sophisticated technologies are already used (satellites, radar, information systems, etc.) and new ones are under development

During this technical tour, participants will be immersed in port activities including discovering;

- Multimodal logistics AIRBUS and crossing bridges (old stone bridge and new lift bridge Chaban Delmas)

- The port of call software (VigieSip), also operated by several other ports
- The Vessel Traffic System of Gironde (radar, GPS positions of vessels by AIS)
- The approach of the tide in Gironde for ships' call
- The presentation of GPS jamming detection experimentation; HONTZA project with TOPOS Aquitaine
- The Pilots of Gironde simulator for steering vessel

The technical tour of the Harbourmaster's Office and the Pilot's center is scheduled to rotate in two groups.

Keolis Bordeaux Métropole, Operator of the Public Transport Network of the City of Bordeaux – PC Tram

DATE AND TIME:

Departure from CEB 30 min before the visit

Tuesday 6 October 2015
10:00, 15:30

Wednesday 7 October 2015
10:00, 15:30

Thursday 8 October 2015
10:00, 15:30

DURATION:

Each tour will take between 1:30 and 2:00

MAX PARTICIPANTS: 20

PRICE: 40.00€ VAT Excl.



Since 2003, following 11 successive launches, the implementation of 3 tram lines has helped generate a veritable cultural revolution in terms of travel, with the development and aesthetic enhancement of public spaces in the city of Bordeaux.

The transformation was further strengthened by the deployment of a ground-level power supply system (APS). This system (a world first) led to the suppression of all overhead power supply cables in the centre of Bordeaux.

The Bordeaux Bastide operations and maintenance centre is the nerve centre of the network. It is comprised of technical and operational buildings, storehouse rails, a servicing depot and a siding-hall with a capacity for up to 14 trams. Workshops are dedicated to the maintenance of rolling stock, fixed equipment,

electrical and electronic equipment, as well as the tram's 'APS' system.

During the visit you will also discover two control rooms which manage tram and bus operations. Vehicles are located in real-time and the network is controlled remotely with the help of an Intelligent Transportation System (ITS).

Finally, you will have the opportunity to discover the "tram simulator". This innovative training tool was developed by Keolis (the public transport operator of the Bordeaux Metropolitan area), and reproduces all aspects of real tram driving conditions in a virtual environment.

DIR Atlantique Centre of Engineering and Traffic Management (French Ministry) – ALIENOR

DATE AND TIME:

Departure from CEB 20 min before the visit

Tuesday 6 October 2015
14:00

Wednesday 7 October 2015
14:00

Thursday 8 October 2015
14:00

DURATION:

Each tour will last 2:00

MAX. PARTICIPANTS: 14

PRICE: Free of charge



The DIR Atlantique (Direction Inter-départementale des Routes / Inter-Departmental Directorate of Roads) is responsible for the management of 635km national traffic roads and motorways, including the Bordeaux ring road.

To accomplish this mission, the DIR Atlantique has a CIGT (Centre d'ingénierie et de gestion du trafic / Center of engineering and traffic management) to coordinate actions 7/7 and 24/24. This CIGT is organized around different traffic management tools driven from an operating room.

The visit will begin with a global overview of the building. Then the key management issues of Bordeaux ring road and the entire DIRA roads will be presented. Finally, a visit to the operating room will show:

- The layout and ergonomics of the room
- Dynamic systems for traffic management :
 - Automatic incident detection (AID) on the Aquitaine Bridge and the ways earmarking system ;
 - IT handrail (named TIPI) and aid traffic management system (named SAGASE) for display on VMS different message types (immediate hazards, information, traffic jams, travel time, ...);
 - Network monitoring with CCTV cameras and traffic-color ;
 - The emergency call network.

Thales Aircraft Cockpit Technologies – Thales

DATE AND TIME:

Departure from CEB 30 min before the visit

Tuesday 6 October 2015
14:00

DURATION:

Each tour will last 1:30

MAX. PARTICIPANTS: 20

PRICE: 20.00€ VAT Excl.



The purpose of the visit is to discover the actual and future aircraft cockpit technologies. The participants will first have a demonstration of the Airbus A350 cockpit before entering Thales

innovation hub dedicated to new cockpit demonstrators. They will also be briefed on the Thales innovation approach.

Research Centre – EUROVIA

DATE AND TIME:

Departure from CEB 40 min before the visit

Tuesday 6 October 2015
15:30

Wednesday 7 October 2015
14:50 – 18:00

DURATION:

Each tour will last 2:30

MAX. PARTICIPANTS: 40

PRICE: 20.00€ VAT Excl.

Inaugurated in 2003, the Eurovia Research Center is the newest Research center in the road industry in Europe. The visit of the 4,000 m² of this laboratory will allow discovering exceptional test devices. These means are used in various fields of Research aiming to make the road safer, more durable, and more environmentally friendly. The Research center team will introduce you to many and amazing innovation: depolluting pavement (NOxer®), low noise

pavement (Viaphone®), intelligent pavement (SMARTVIA®, NOVATHERM®) new generations of road equipments, etc. The visit will also be an opportunity to discuss about the roads of the future: the connected and functionalized road...

Based in Merignac, the Eurovia Research Center is located 5 minutes from the airport and 20 minutes from Bordeaux Congress City.



IT Traffic Management Centre of the City of Bordeaux – Gertrude

DATE AND TIME:

Departure from CEB 45 min before the visit

Tuesday 6 October 2015
17:00

Wednesday 7 October 2015
17:00

Thursday 8 October 2015
17:00

DURATION:

Each tour will last 1:30

MAX. PARTICIPANTS: 20

PRICE: 40.00€ VAT Excl.



GERTRUDE Real Time takes on the traffic management of the Bordeaux Metropolis Area. Developed with ITS technologies and ITS concepts, this solution takes place inside Real Time Adaptive ITS category. Its main activities consists in supervising and optimizing permanently urban traffic management, priority for trams, priority for buses, parking management, users information on web supports. The IT System applies politic and general strategy to organize mobility in the area reaching the best balance between private traffic flow and smart modes.

Different IT technologies compose the global solution. Virtual servers, Automatic Security Process, Incident detection, Serial and IP communication on physical and wireless network,

Passive and active detection, Traffic management decision's process.

The traffic management center is the hotspot of mobility supervision. In this center, using last generation informatics tools and software, specialists are daily engaged to provide online and offline vigilances and analysis related to measurement of quality of services, benefits, trends, evaluation of risks and reactions to events.

Since the year 2014, the traffic management center is also in charge of deploying and evaluating the innovative strategy, designed to increase efficiency of Public Transports and mixing priority for trams on junctions and hierarchical priority for all structuring bus line.

The Chaban-Delmas Vertical Lift Bridge – Pont Chaban-Delmas

DATE AND TIME:

Departure from CEB 30 min before the visit

Wednesday 7 October 2015
09:30, 11:30

Thursday 8 October 2015
9:30, 11:30

DURATION:

Each tour will last 2:00

MAX. PARTICIPANTS: 20

PRICE: 20.00€ VAT Excl.

pont
Chaban-Delmas



An internationally award-winning structure, the Jacques Chaban-Delmas bridge has won the prestigious "Outstanding projects 2014" engineering prize.

Opened in 2013, the bridge, named after the former Mayor of Bordeaux, is becoming an iconic feature of the City of Bordeaux by virtue of its architecture and design.

With the emphasis on gentle forms of travel and public transport along the bridge, its uniqueness is characterized by its integration into the urban setting, its rising deck, its real-time data and the choice of technologies that prioritise the sustainable development.

Composed of a lift span weighing 2,600 tonnes that is 120 m long and 45 m wide, four 81 m tall columns and with a manoeuvre time of 15 minutes per cycle, this bridge is the seventh to

span the Garonne River. It is an urban bridge ensuring improved traffic fluidity while at the same time allowing the passage of cruise ships towards Bordeaux. It also acts as a springboard for districts under development.

In this visit you will discover the panoramic viewpoint from the top of the columns offering an unobstructed view over the City of Bordeaux, the moving parts of the span and the centralised control station, the dynamic information system on various media (twenty or so luminous displays on the roads and highways network, the media, etc) during lifting and lowering, as well as traffic control operations along the banks of the Garonne River from the bridgeheads.

CG33-Intelligent Road – Conseil Général de la Gironde

DATE AND TIME:

Thursday 8 October 2015
14:30

DURATION:

Each tour will last 7:00

MAX. PARTICIPANTS: 120

PRICE: 30.00€ VAT Excl.



Discovering intelligent road in the very exceptional landscape of Arcachon Bay, on board of e-bus

Running through the exceptional surroundings of the nearby Bay of Arcachon - a most renowned tourist site – the departemental road RD112 stretches flat and straight over 22kms. Lined with a campside on one side and a cycle track on the opposite, the RD112 faces with a heavy transit traffic.

The intersection has been provided with a left-turn and bicycles safety zone. It is a complicated situation, especially at night and during summer.

Project description: the purpose of the project is to ensure that pedestrians and cyclist can cross roads in safety at night and during summer, without damaging the safety throughout the day.

Improve the visibility in order to alert drivers; Combining cyclist and pedestrian detection system with crossroad lighting. The car detection system is being studied.

This experimentation is aimed to be rolled out across other sites which present the same configuration in the department of Gironde.

FRANCE ELECTRIC TOUR

5-8 OCTOBER 2015

France Electric Tour is a true Tour de France in electric car. The 1st edition will take place on a beautiful course of 1200 kms and the challenge will consist in covering 350 kms per day.

The goal is to demonstrate the capacities of the electric car to carry out a consequent daily distance thanks to accelerated and fast reloading infrastructures and their interworking.

www.france-electrique-tour.com

**Arrival at ITS World Congress,
Thursday October 8
from 16:00**








Demonstration Pre-programme

Innovative and interactive demonstrations all in one place, to understand the new ITS solutions of tomorrow.

With the ultimate ambition to inform and convince customers, decision-makers, politicians, general public and media of the benefits of ITS to meet future mobility needs and high level transportation policies, **around 20 demonstrations** will show case in "close to" real life conditions innovative technologies and mobility solutions.

Either organised in closed demonstrations areas or on urban or inter-urban roads in real traffic conditions, all these demonstrations will take place in the immediate vicinity of the Bordeaux-Lake Convention and Exhibition Centre, which will be a big advantage for the delegates willing to seize the unique selling propositions of the demonstrated mobility services.

An observatory area closed to the Exhibition Hall will also allow you to watch some of these demonstrations without need for registration.

If you wish to experience a demonstration by being on-board the innovative vehicles, registration is mandatory. Please visit the ITS World Congress website for reservations and demonstrations presentations: <http://itsworldcongress.com>.

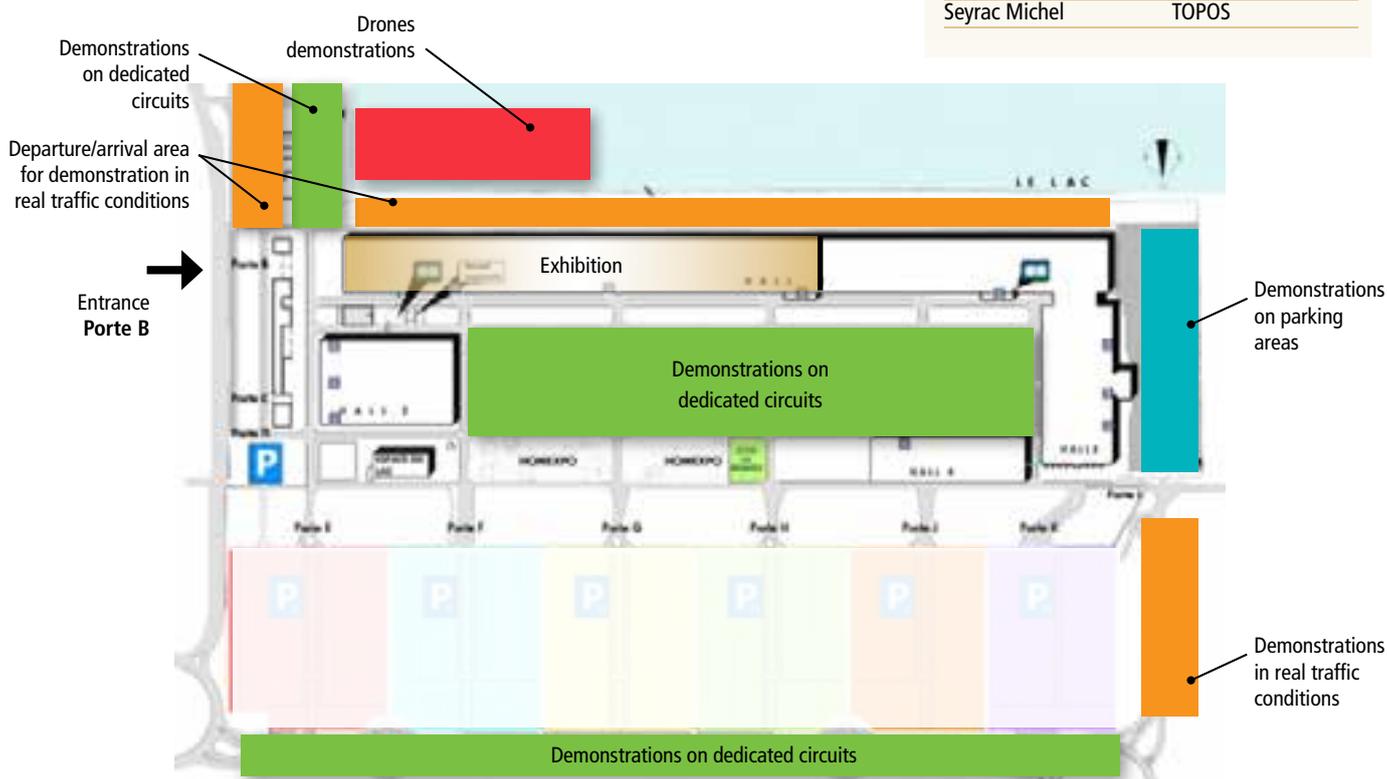
Please, note that additional seats will also be made available on-site during the Congress, at the demo lounge (in the exhibition Hall), in order to open the demonstrations to the largest number of Congress participants.

While being representative of the 7 Congress topics, they will offer to delegates a wide range of living experiences:

- **TOPIC 1:** GALILEO augmented navigation and geo-positioning systems
Unmanned aerial vehicles for traffic safety and infrastructure monitoring
- **TOPIC 2:** Connecting vehicles and road infrastructures for safety and traffic fluidity
- **TOPIC 3:** Emergency call & innovative safety applications like emergency braking, crash avoidance, obstructing view information and infrastructure messaging, driver behaviour alerts...
- **TOPIC 4:** Smart electric cars management
- **TOPIC 5:** Sustainable mobility as a service. Real time roadway configurations solutions
- **TOPIC 6:** Autonomous cars and driverless shuttles
- **TOPIC 7:** Cloud services

Demonstration Committee

Colinet Christophe	Mairie de Bordeaux
Hedhli Abdel Méname	IFSTTAR
Lacave Jean	Mairie de Bordeaux
Mechin Jean-Philippe	CEREMA
Murat Damien	TOPOS
Nicoud Anne-Charlotte	VEDECOM
Omont Gaëlle	COTE OUEST
Perpey André	TOPOS
Reclus Fabrice	CEREMA
Segarra Gérard	VEDECOM
Seyrac Michel	TOPOS



Social Events

DATE AND TIME:

Monday 5 October 2015
18.45 – 20.00

PLACE: CEB, Hall 1

Welcome Reception

Immediately after the Opening Ceremony and Session, you as well as your accompanying person(s) are cordially invited to the Welcome Reception taking place in the Exhibition Area in the Hall 1. This is an excellent opportunity to meet all your



ITS Colleagues and network with our sponsors as well as exhibitors.

This networking experience is included in your registration fee and we kindly ask you to register for it.

DATE AND TIME:

Wednesday 7 October 2015
19:00 – 02:00

PLACE:

Château Lafitte
Chemin du Loup - 33 370 Yvrac
GPS coordinates:
Latitude 44.883985°
Longitude -0.477966°

PRICE: 100€ VAT Excl.

DRESS CODE:

Business Casual



Gala Dinner

Experience French cuisine in the midst of a charming vineyard

Wine lovers, be prepared to feel like you are in heaven!

Situated in the midst of a vast vineyard, the charming Château Lafitte welcomes you to network and enjoy a fine French dinner, surrounded by oak casks and enhanced by Bordeaux wines from the house.

Built in the 19th century at the Domaine de Lafitte by the 'Comte Du Val', this prestigious blond-stone building stands on grounds where fruit trees and wines are grown. In 1973 René Floréal Laguens, a visionary and a forerunner, bought this 37-hectare estate with its 33 hectares of vines, and built the largest private function rooms in the region. Recently, a family of

Bordeaux winegrowers acquired the site and successfully combined respect for tradition with the introduction of modern facilities.

No need to tell you that in such a venue, you will have the opportunity to try various wines from the region!

All Bordeaux Congress participants are welcome to join this special event at Château Lafitte on the 7 October, which will offer you various tastes of Bordeaux, good music, fun and unforgettable surprises.

To purchase tickets for the Gala Dinner, please visit the Congress website.

Château LAFITTE is located east of Bordeaux (10 km from the city centre), close to the ring road and the Pont d'Aquitaine with its hotel park, and just a stone's throw from the Congress Centre and the Exhibition Centre.

Bordeaux Wine Feria

DATE AND TIME:

Tuesday 6 October 2015
18:45 – 21:00

PLACE:

New Bordeaux Stadium

PRICE: 30.00€ VAT excluded

DRESS CODE:

Business Casual

Are you attending the 22nd ITS World Congress? The Bordeaux Wine Feria is taking place on Tuesday 6 October at the beautiful, New Bordeaux Stadium and Event Centre (opened 2015), just a short walk from the Congress venue!

Enjoy a casual evening at this unique event. With a Tasting Pass, you can experience the wonders of both Bordeaux and Aquitaine wines, drawn from some of the greatest Châteaux of the 80 regional appellations.

From 18:45 to 21:00 you can taste red, dry white, sweet white and rosé wines, accompanied by local cheese and delicatessen, all under professional guidance.

Amongst other surprises, an open blind tasting competition will take place during the evening.

Some lucky visitors will win exciting gifts such as visits to Châteaux and vineyards.

After the Bordeaux Wine Feria, we suggest that you close this wonderful evening by going for a dinner or a drink in one of Bordeaux's world-class restaurants or bars located in the city centre, just 15 minutes away by tram.



Accommodation & Hotels

A list of preferred hotels has been selected for you and is currently available on the website.

The hotels range in ratings and areas to allow you to choose the one most suited to your needs and they are located mainly in the three following areas around Bordeaux: The Centre, The Airport and The Lake (next to the Congress venue).

All booking costs related have to be settled with each hotel directly by the individual participants according to each venue rules and conditions. Modification, cancellation and no show will be handled accordingly with each individual hotel policy.

Please make sure you book your accommodation in due time for the time.

itsworldcongress.com

	Hotel	Category
LAC	Pullman Lac	4*
	Mercure le Lac Hotel	4*
	Novotel le Lac	4*
	Ibis le Lac	3*
	Ibis Budget le Lac	3*
	Village du Lac	
CENTRE	Grand Hotel de & Spa	5*
	Mercure Château Chartrons Hotel	4*
	Mercure Cite Mondiale Centre-Ville	4*
	Novotel Centre	4*
	Mercure Centre Gare Saint Jean Hotel	4*
	Ibis Styles Meriadeck	3*
	Ibis Centre Meriadeck	3*
	ibis Centre Bastide	3*
	ibis Styles Gare Saint Jean	3*
	ibis Centre Gare Saint Jean	3*
	Quality Hotel Centre	3*
	ibis budget Centre Bastide	2*
	Aparthotel Adagio Gambetta	2*
	AIRPORT	Mercure Aéroport Hotel
Novotel Aéroport		4*
Golf du Medoc Hotel et Spa - MGallery Collection		4*
Kyriad Prestige Airport		4*
Quality Suites Aéroport		4*
ibis Styles Aéroport		3*
ibis Aéroport		3*
ibis Styles Saint Médard		3*
Inter-Hotel du Phare Airport		3*
ibis budget Aéroport		2*
Premiere Classe Cestas		1*
Premiere Classe Pessac Bersol		1*

Continental 
The Future in Motion



The world is growing closer.
We are expanding the possibilities.

We are developing innovative technologies and solutions to sustainably meet the mobility needs of the world's growing population.

General Information

Time

Bordeaux is located on the UTC/GMT +1 and will be in Daylight Saving Time during the 22nd ITS World Congress.

Currency

Please note that the currency used in Bordeaux and the whole of France is euros. Should you not have time to exchange your local currency for euros, there are exchange bureaus at the airport as well as ATM machines conveniently located throughout the city.

To find out the latest exchange rate, please go to www.xe.com before you travel.

Electricity

Bordeaux voltage is 230 volts and uses a 2-prong socket, delegates travelling from Asia, America or the UK will require an adaptor. Please note that adaptors can be bought at all large supermarkets, airports and electrical stores.

Internet access

Wireless internet is available throughout the entire venue.

Language

The official language of the Congress is English. All spoken presentations, printed material and online information will be available in English only.

Insurance and Security

Please note that attendees are requested to wear their badge for admission at all times. Any lost badge will incur a 50.00€ fee. Please, do not leave your bags or coats unattended. A cloakroom will be at your disposal. There will be regular badge control throughout the congress.

Climate

Bordeaux's weather is mainly mild, with an average maximum temperature of 19°C and a minimum of 10°C. There is usually a 46% chance of rain at the time of year. Wear comfortable clothing for everyday wear, with layers to account for the fluctuating temperature.

Transportation Information

Travel by Air

As participant of the Congress, you get a special discount on your bookings.

Please click [here](#) and use the following code: 24659AF.

Bordeaux Merignac Airport is approximately 12 km west of Bordeaux city centre and can be reached by all major airlines and European countries. You can travel to the city centre by taxi, shuttle and bus. The shuttle runs 08:00 – 23:00 every day of the week and goes straight to Bordeaux Saint Jean Train Station.

Line 1 provides connection services with Tram Line A at 'Merignac Centre' and with Tram Line B and C at 'Bordeaux Quinconces'. Tickets can be bought from the terminal in the forecourt of Hall B, near the bus stop.

Travel by Car

• From Centre

- Car: 13 minutes
- Turn onto Rue Fondaudge and continue for 950m
 - Turn right onto Boulevard Pierre
 - Continue onto Boulevard Alienor d'Aquitaine
 - Take the exit towards Bordeaux-Lac and keep left
 - At the fork, keep left and follow signs for Bordeaux-Lac

• From Train Station

- Car: 15 minutes
- Head north then turn right onto Saget Street
 - Turn right again onto Paludate Street then keep left
 - At the roundabout take the 4th exit then turn right
 - Take the exit towards Bordeaux Lac
 - At the fork, keep left and follow signs for Bordeaux-Lac

• From Airport

- Car: 15 minutes
- Take the ring road towards Paris
 - Take Exit 4 towards Bordeaux-Lac/ Parc des Expositions

• From Highway

- Car
- From the A10 motorway, take the ring road towards Merignac Airport and turn off at Exit 4, Bordeaux-Lac/Parc des Expositions
 - From the N89, take the N230 towards Lormont, then the ring road towards Merignac Airport and turn off at Exit 4, Bordeaux-Lac/Parc des Expositions

Travel by Taxi

In Bordeaux, there are several taxi companies that can be used and can be found at taxi ranks or booked. Taxi prices can vary but the average prices are as follows:

Normal taxi start cost - 3.00€
1km - 1.25€
1 hour waiting - 30.00€

Approximate prices

Bordeaux Saint Jean to
Palais des Congrès = 23.00€
Palais des Congrès to
Château Lafitte = 20.00€

Taxi Companies and Contact

Taxis 33 - +33 5 56 74 95 06
Taxi Phone - +33 5 56 29 10 25
Taxi Bourne - +33 5 56 08 28 27
Allo Taxis Girondins - +33 5 56 99 28 41

Travel by Transit

• From Centre

Public Transport: 20 minutes

- Take Tram C from Place des Quinconces. The terminus displayed on the Tram should be Parc des Expositions. This Tram goes directly from the Centre to the Exhibition Center.

• From Train Station

Public Transport: 30 minutes

- Take Tram C from the Train Station. The terminus displayed on the Tram should be Parc des Expositions. This Tram goes directly from the Train Station to the Exhibition Center.

• From Airport

Public Transport: 1 hour 21 minutes

- Take bus 48 towards Pessac Centre
- Then take bus 35 towards Bordeaux Les Aubiers
- Take the number 14 bus towards Bordeaux Brandenburg for 7 stops.

Registration Information

Type of participant	Type of pass	Early until 10 July (23:59 CET+1)	Standard from 11 July	Onsite or after 3 October
Congress Delegate	Full event	1,160 €	1,260 €	1,360 €
	One-day Tue – Thu	730 €	780 €	830 €
	Friday	600 €	650 €	700 €
Exhibitor/Sponsor Delegate	Full event	980 €	1,080 €	1,200 €
Student/Delegate	Full event	270 €	270 €	270 €
	One-day Tue – Fri	120 €	120 €	120 €
French National and Local Government	Full Event	710 €	710 €	710 €
	Monday	Free of charge	Free of charge	Free of charge
	One-Day Tue-Thu	440 €	440 €	440 €
	Friday	320 €	320 €	320 €
Journalist/Media	Full event	Free of charge	Free of charge	Free of charge
Accompanying Person*	Full event	Free of charge	Free of charge	Free of charge
Exhibition Visitor*	Full event	Free of charge	Free of charge	35€ Monday-Thursday Free of charge on Friday
Exhibition Stand personnel* 1 pass per 9 sqm	Full event	Free of charge	Free of charge	Free of charge
Additional Exhibition Stand Personnel*	Full event	195 €	195 €	195 €
	One day	65 €	65 €	65 €
Congress Delegate non-OECD discount	Full event	750 €	750 €	750 €

* No access to sessions, see details for more information
All fees are subject to 20% VAT

Type of participant	Type of pass	Early until 3 August (23:59 CET+1)	Standard from 4 August
Speaker/Moderator	Full event	830 €	930 €
	One-day Tue – Thu	520 €	570 €
	One-day Fri	400 €	450 €
Student Speaker/ Student Moderator	Full event	270 €	270 €
	One-day Tue – Thu	120 €	120 €

All fees are subject to 20% VAT

Onsite Registration Opening Times

Congress badges will not be sent out before the event. Please ensure you bring your email confirmation with you when you register. To avoid queuing at the event, Congress attendees are reminded to utilise the early registration starting from Monday 08:00. If you did not register prior to the event, all new onsite registrations must be made with full payment according to the following timings.

Dates	Registration Congress
Monday 5 October 2015	08:00 - 20:00
Tuesday 6 October 2015	07:30 - 18:00
Wednesday 7 October 2015	07:30 - 18:00
Thursday 8 October 2015	08:00 - 18:00
Friday 9 October 2015	08:00 - 14:00

Registration Details

Congress Delegates, Exhibitors and Sponsors Delegates, Speakers and Moderators, French Local Government, Journalists and Press, Non OECD Member Countries

This registration includes:

- Access to the Congress sessions on the day(s) selected
- Access to the Exhibition for its duration on the day(s) selected
- Congress documents and proceedings
- Congress bag
- Lunches and refreshments during the Congress on the day(s) selected
- Access to the Opening Ceremony, the Welcome Reception and the Closing Ceremony (pre-registration required)

This registration does not include:

- Gala Dinner
- Accommodation
- Bordeaux Wine Feria
- Technical Visits
- Accompanying Persons Programme

Exhibitors and Sponsors Delegates: To qualify for this category you must attend on behalf of an exhibitor or a sponsoring company. The company name on your badge must be the same as the contracted company.

Speakers and Moderators: Paper or session numbers will be requested during the online registration. One speaker per paper and/or presentation is entitled to this discounted rate.

French Local Government Sector: Attendees from the French Local Government Sector are entitled to this discounted rate. You can choose to attend the full event or one-day of your choice. The organisers reserve the right to request identification to prove eligibility for this discount at any time. No group discount is available for this category.

Journalists and Press: A scanned copy of your valid press ID must be uploaded during the registration process to validate the booking. For any press queries, please contact Carla Coppola at c.coppola@mail.ertico.com. The organisers reserve the right to refuse acceptance of any registration that does not adhere to these requirements.

Non OECD Member Countries: A discounted rate on the full delegate registration pass is available for delegates coming from non OECD Member Countries. Please check the link [here](#) to make sure that your country of origin is not an OECD Member. To receive information and registration guidelines, please

contact the ITS World Congress Registration Secretariat at register@itsineurope.com and provide a scanned copy of your passport showing your country of origin. Without this document no request will be taken into consideration.

Exhibitor Stand Personnel

This registration includes:

- Access to the Exhibition for its duration on the day(s) selected
- Lunches and refreshments during the Congress on the day(s) selected
- Access to the Opening Ceremony, the Welcome Reception and the Closing Ceremony (pre-registration required)

This registration does not include:

- Access to the Congress sessions
- Congress documents and proceedings
- Congress bag
- Gala Dinner
- Accommodation
- Bordeaux Wine Feria
- Technical Visits
- Accompanying Persons Programme

To qualify for this category, you must attend on behalf of an exhibitor company. The company name on your badge must be the same as the contracted company. For each 9 sqm purchased, each company is entitled to one exhibition stand personnel badge free of charge. Additional exhibitor stand badges can be purchased at €195/pass for full event access or €65/pass for one day access.

Exhibition Visitors

This registration includes:

- Access to the Exhibition for its duration on the selected day(s)
- Access to the Opening Ceremony, the Welcome Reception and the Closing Ceremony (pre-registration required)

This registration does not include:

- Access to the Congress sessions
- Congress documents and proceedings
- Congress bag
- Lunches or refreshments during the Congress
- Gala Dinner
- Accommodation
- Bordeaux Wine Feria
- Technical Visits
- Accompanying Persons Programme

Student Delegates/ Student Speakers/ Student Moderators

This registration includes:

- Access to the Congress sessions on the day(s) selected
- Access to the Exhibition for its duration on the day(s) selected

- Congress documents and proceedings
- Congress bag
- Access to the Opening Ceremony, the Welcome Reception and the Closing Ceremony (pre-registration required)

This registration does not include:

- Lunches or refreshments during the Congress
- Gala Dinner
- Accommodation
- Bordeaux Wine Feria
- Technical Visits
- Accompanying Persons Programme

To qualify for this rate, you must be under 30 years old and upload (during the registration process) a scanned copy of your valid international student card or official proof of enrolment from your university stating that you are a full-time student to validate the booking. The organisers reserve the right to refuse acceptance of any registration that does not adhere to these requirements.

Accompanying Person

This registration includes:

- Access to the Exhibition for its duration
- Access to the Opening Ceremony, the Welcome Reception and the Closing Ceremony (pre-registration required)

This registration does not include:

- Access to the Congress sessions
- Congress documents and proceedings
- Congress bag
- Lunches or refreshments during the Congress
- Gala Dinner
- Accommodation
- Bordeaux Wine Feria
- Technical Visits
- Accompanying Persons Programme

To qualify for this category you must attend with your spouse or partner and not be involved in the ITS industry.

ECITL

The 8th European Conference on ICT for Transport Logistics (ECITL) is one of the associated events held during the ITS World Congress in Bordeaux. For further information on the programme please refer to the ECITL section on our Associated Events page. For the ECITL, a separate registration fee of €300 is due. MCI is solely acting as an agent in the collection of the ECITL registration fees.

This registration includes:

- Access to the ECITL conference
- Access to the Exhibition for its duration
- Access to the Opening Ceremony, the

Registration Information

Welcome Reception and the Closing Ceremony (pre-registration required)

This registration does not include:

- Access to the Congress sessions
- Congress documents and proceedings
- Congress bag
- Lunches or refreshments during the Congress
- Gala Dinner
- Accommodation
- Bordeaux Wine Feria
- Technical Visits
- Accompanying Persons Programme

Group Registration

A group registration is available for a group of 10 or more paying Congress delegates registering for the full event, at the discretion of the organisers. Requests for group discounts must be sent in writing by email to the ITS World Congress Registration Secretariat at register@itsineurope.com. Group registration (10+ registrations made in one transaction only) entitles you to a 10% discount. To qualify for this discount, all delegate names and details must be provided at the time of booking. Attendees that have already registered are not permitted to cancel and rebook under a group discount.

Technical Visits

The Technical Visits are organised by the French Organising Committee, TOPOS. All requests for information and communications in connection with these aspects of the Congress should be directed to Aurélie Piet by email at aurelie.piet@topos-aquitaine.org or by phone at +33 (0) 6 4995 9972. MCI is acting as an agent for the French Organising Committee solely in the collection of the registration fees related to these Technical Visits.

Associated Events

Several associated events are organised along side the Congress by different organisers. All requests for information and communications in connection with these associated events should be directed to the organiser of the event, for a full list please [click here](#). To participate to any of these associated events, you must register to the Congress (minimum as Exhibition Visitor) and during the registration also select the event you wish to attend, this is so that the badge will allow access to the event room. MCI is acting as an agent solely in the collection of the registrations related to these events.

Early and Standard Payment Rates

For bookings made and paid before 10 July 2015 a discounted 'early bird' rate applies.

After this date the increased standard rate is applicable to all bookings until 2 October 2015. As of this date, the onsite registration fee will be applicable.

Registration Procedure

All registrations must be submitted via the online registration form available [here](#).

Enquiries

For Congress and Exhibition registration and payment enquiries, please contact the ITS World Congress Registration Secretariat at register@itsineurope.com or by phone at +31 (0) 20 679 3411.

Registration Confirmation

You will receive confirmation of your registration and a VAT invoice via email. If you do not receive it after registering online, please contact the organisers by sending an email to the ITS World Congress Registration Secretariat at register@itsineurope.com to ensure your registration has been received.

Terms and Conditions

Disclaimer

The organisers are not liable for any loss, injury or damage resulting from any action taken or reliance made by you or any third party during the Congress.

The Congress fee does not cover insurance for the delegates. The organisers recommend that delegates take out insurance in their home country to cover pre-journey cancellation for personal reasons and necessary insurance to cover accidents, medical expenses and loss of personal belongings during the trip to France.

Currency

All fees will be invoiced and are payable in Euros (€) only.

French VAT

Please note that mentioned prices are VAT excluded. The standard VAT rate is 20% and it will be charged on all bookings. Delegates employed by French companies which are registered for VAT and who provide a valid French VAT number at the time of registration, will not be charged VAT on their Congress fees. Please contact the ITS World Congress Secretariat for any questions regarding VAT exemption.

Payment Information

Payment is required in full before the Congress. Payment should be made either by credit card or bank transfer. The following credit cards are accepted: Visa, EuroCard/MasterCard or American Express.

Should you select bank transfer as method of payment, an invoice including payment instructions will be sent to your attention after the registration process is completed. The organiser reserves the right to refuse admission if payment has not been received at least one week before the congress opens.

Delegate Cancellation/Name Changes

Upon completion of your online registration, your registration is considered confirmed. Cancellations for the Congress registration, Gala Dinner, Technical Visits and Bordeaux Wine Feria are accepted until 5 August 2015 and must be received in writing by the ITS World Congress Registration Secretariat at register@itsineurope.com. For cancellations received before 5 August 2015, the registration fees will be refunded after deduction of an administration fee of €100 + VAT. After this date, no refunds will be made. Please ensure the delegate name, registration number and company is quoted on all correspondence.

Name changes will be charged at €50 + VAT administrative fee per name, per change. Name change requests must be sent in writing to the ITS World Congress Registration Secretariat at register@itsineurope.com.

Data Protection

In accordance with the data protection act, unless otherwise stated, your job title/company will be used in marketing material for this event. If you do not wish your details to be included, please note you will be asked to tick this option during the registration process.

Passport and Visa

To check whether you require a visa to travel to France, click [here](#)

If you do need a visa to attend the Congress, please apply as soon as possible.

All delegates requiring an invitation letter for visa application purposes may request it during the online registration. Letters of invitation will not be issued without receiving the registration and payment of the required registration fees. Please note that the organisers will not be able to contact or intervene with any embassy or consulate office on behalf of a delegate. Should your visa application be declined, you can send a request for a full refund of the registration fees to the ITS World Congress Secretariat by e-mail at register@itsineurope.com before 5 August 2015. A scanned copy of the visa decline letter should be attached to your request. For requests received as from 5 August 2015, the cancellation policy for general congress registrations will apply.

Exhibition Information

Exhibit Hall

The Exhibit hall will showcase more than 300 companies, dedicated to ITS technologies and services, as well as local and European public authorities.

View the online floor plan to review information about the exhibitors and their booth location.

French Avenue

Running from booth B101 to booth F83, this area hosts French based companies.

Aerospace Area

This area will demonstrate how Intelligent Transport Systems could benefit from the wide range of innovative solutions developed recently in this sector.

Innovation Pavilion

The Innovation Pavilion offers app developers, SME's and start-ups the opportunity to demonstrate new concepts and forward-thinking business models.

Sessions in the Exhibition area

The Commercial Theatre and the Atrium house Commercial Paper Sessions, Special Interest Sessions in the 'Industry Insight' Stream and Commercial Presentation

Sessions. These Sessions present near-market material activity aimed at generating or improving a specific product, device or idea for the market, with a particularly strong commercial or deployment flavour. All Sessions are presented to a more commercial audience than usual, specifically targeted to sponsors, exhibition participants and visitors. All these Sessions are listed in the Congress programme. Any registered attendee can attend any Session taking place in the Exhibition.

The Atrium will host also the General Public Sessions, interactive discussions about three different subjects with the aim of explaining the key issues involved for a non-technical audience. They are open to all with the chance to ask questions.

The Project Dissemination Theatre will host the sessions that present results from one or more important projects

Press Room

The press room will provide registered media a space to work and network with colleagues.

Exhibition opening hours

Date	Schedule	Hall Open Hours
Monday 5 October 2015	Official Opening of the Exhibition area	18:45 – 20:00
Tuesday 6 October 2015	Exhibition area open	09:00 – 18:00
Wednesday 7 October 2015	Exhibition area open	09:00 – 18:00
Thursday 8 October 2015	Exhibition area open	09:00 – 18:00
Friday 9 October 2015	Exhibition area open	09:00 – 14:00

Should you wish to have access to the updated Exhibitors List and the FLOOR PLAN of the Exhibition, please visit our website www.itsworldcongress.com, select the Sponsors & Exhibition tab and then click on floor plan.

Social tours

In order to register to the social tours, please visit our website www.itsworldcongress.com, select the tab Programme and then click on Accompanying persons.

Social Tours Programme

DATE: Monday 5 October 2015

TIME: 8:30 – 12:30

PRICE: 95.00€ VAT Excl.



Half day in Saint-Emilion

Be charmed by the magic of the Heritage, the delightful medieval village, in the heart of the world-famous Bordeaux vineyards.

You will have the chance to discover the abundant vineyards, superb wines, impressive monuments, and beautiful architecture. A town full of history on a rocky promontory, Saint Emilion and its surrounding vineyards owe their originality to limestone soil.

From the monk Emilion's story, between truth and legend, to the carving of the surprising monolithic church, walk through several centuries of history. Observe the details of the Trinity

Chapel's paintings and discover the mysterious catacombs and the Hermitage...

City guided tour to discover: the King's tower, Brunet gate and the ramparts, the collegiate church and its cloister, the great will, gate and house de la Cadene, the ursuline's convent...

After doing the tour, you will understand that Saint-Emilion is not just about wine.

DATE: Tuesday 6 October 2015

TIME: 8:30 – 17:00

PRICE: 125.00€ VAT Excl.



One day in Arcachon

With an extraordinary diversity of natural spaces, the Bassin d'Arcachon invites you to a change of scene.

A truly wild area, the island is home to many bird species: terns, curlews and redshanks... In front of the island, stand the Cabanes Tchanquées (cabins on stilts), symbols of the Bassin d'Arcachon.

On boats discover the bay and enjoy oyster tasting. After lunch at the seaside, each quarter

exudes its own unique atmosphere and charm we invite you to discover the history of the majestic villas built during the Second Empire and the original, eclectic architecture: neogothic villas, Swiss chalets, English cottages...

DATE: Wednesday 7 October 2015

TIME: 9:00 – 12:30

PRICE: 55.00€ VAT Excl.



Shopping tour in Bordeaux

Bordeaux is an elegant city, famous for its style.

It features large department stores, luxury brands, leading nationwide ready-to-wear shops, Parisian couturiers, jewellers, craftsmen, perfume shops, leather goods shops, specialised boutiques of all kinds, etc.

A simple walk across the Triangle (formed by Cours de l'Intendance, Cours Clemenceau,

and the Allées de Tourny), down the famous rue Sainte-Catherine, or through Old Bordeaux takes you to a wonder of shops and boutiques.

The hustle and bustle show that Bordeaux is a very prosperous, lively, and switched-on city.

DATE: Thursday 8 October 2015

TIME: 9:00 – 12:30

PRICE: 160.00€ VAT Excl.

French cooking

Learn how to make AZ real terrine of Foie Gras, and leave with your work.

Our chef will help you create a terrine of foie gras extra (veining, seasoning, marinade). Approximately 500g, (10 slices) in a silicone pot. A glass of sweet wine and toasts will go with the foie gras.

We will keep your terrines fresh and drop them off to your hotel.

DATE: Thursday 8 October 2015

TIME: 9:00 – 12:30

PRICE: 50.00€ VAT Excl.



Half-day in Bordeaux

Wide avenues of neo-classic neighbourhood Quinconces and the Grand Theatre, the narrow streets of St Pierre area are particularly animated.

We invite you to discover the diversity of Bordeaux's heritage. Some places are called postcards. Bordeaux is one of them.

But beyond the cliché, we have to read a city in its monuments, in its houses, its architecture, old town and the edges of docks. They tell us the story of Burdigala becoming the world

capital of wine and the art of French living. Bordeaux offers the charm and splendour of one of the most harmonious European architectural ensembles of the eighteenth century.

DATE: Thursday 8 October 2015

TIME: 9:00 – 12:30

PRICE: 150.00€ VAT Excl.



Exclusive visit & cheese's dinner in a cheese cellar

Like the one at Saint-Michel, Pey Berland belltower offers a unique view of Bordeaux.

The Pey-Berland Tower was one of the tallest buildings in the city. You need a good pair of lungs to walk up the 229 steps to the top of the tower (50 meters), but the view of Bordeaux and its monuments is breathtaking.

Jean d'Alos cellars, located in the Triangle area in Bordeaux were for a long time, preserved from all inquisitives. The Covent of Récollets

from the 15th century, (which still keeps secrets) is a natural jewel. This heritage emphasises the activity of affineur and contributes to the best cares given by humans to cheeses.

The shop is home to a treasure-trove of cheeses, patiently aged and sought out by the master affineur himself in France, Italy, Belgium and Spain.

DATE: Thursday 8 October 2015

TIME: 19:30 - 22:30

PRICE: 110.00€ VAT Excl.



Bordeaux by Boat

Unique in Bordeaux with its capacity of 350 passengers, these new boats are going to join the fleet at the end of the year.

Thanks to its equipment's and its professional cooking, this boat-restaurant ' Sicambre ' will offer you a delightful dinner-cruise along the Garonne.

Get on board and see La Place de La Bourse, Pierre's Bridge, the castle Grattequina and the

port of Bassens. Open your eyes and take advantage of Bordeaux by night...

Enjoy the diner tasting local products and wines. An original way to visit this elegant City!

DATE: Friday 9 October 2015

TIME: 14:00 - 17:30

PRICE: 88.00€ VAT Excl.



Art & Wine in Medoc

A special day to see the contemporary art which are integrated in the vineyards.

The Château Arsac is also recognized as an open place for artistic creation. Every year since 1992, the field acquires a signed work of major contemporary artists, and today an impressive collection of works known as the "Sculpture Garden" art.

A guided tour of the winery followed by a tasting will seduce you.

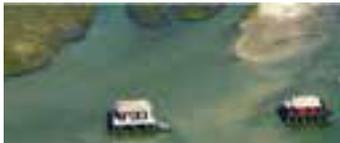
The Château Chasse-Spleen belongs to Céline Villars-Foubet and her husband, Jean-Pierre Foubet, both contemporary art enthusiasts; they do share a passion for their visitors.

Pre & post tours Programme

DATE:
Sunday 4, October 2015 and
Saturday 10, October 2015

TIME: 8:30 – 17:00

PRICE: 125.00€ VAT Excl.



Arcachon

With an extraordinary diversity of natural spaces, the Bassin d'Arcachon invites you to a change of scene. On boats, discover the bay and enjoy oysters' tasting.

A truly wild area, the island is home to many bird species: terns, curlews and redshanks... In front of the island, stand the Cabanes Tchanquées (cabins on stilts), symbols of the Bassin d'Arcachon.

After lunch on the seaside, each quarter exudes its own unique atmosphere and charm we invite you to discover the history of the majestic villas built during the Second Empire and the original, eclectic architecture: neogothic villas, Swiss chalets, English cottages...

DATE:
Sunday 4, October 2015 and
Saturday 10, October 2015

TIME: 8:30 – 17:00

PRICE: 140.00€ VAT Excl.



Saint-Emilion

Be charmed by the magic of the Heritage, the delightful medieval village, in the heart of the world-famous Bordeaux vineyards.

A few steps away from the centre of the medieval city, the castle Villemaurine has an unsuspected wealth: an exceptional network of careers which he suggests today making discover. Accompanied by a guide and its lantern, a livened up walk invites each to explore the depths of quarries and diverse aspects of underground of Villemaurine walk which ends with a tasting of the domain.

Château La Dominique is located in the western part of the appellation of Saint-Emilion.

On the roof of the new winery were appointed:

- a panoramic tasting room with an exceptional view of the surrounding vineyards
- a perfect panoramic terrace of 450m² for your home, shop 100m²

DATE:
Sunday 4, October 2015 and
Saturday 10, October 2015

TIME: 8:30 – 17:00

PRICE: 150.00€ VAT Excl.



Cognac

Come to Cognac to discover the most famous alcohol in the world through secret brandy, prestigious wine merchants or the new museum of Cognac. City of Art and History, City of terror. Imbibe the other side of the city of spirits.

Cruise to discover one of the most beautiful landscapes in the region.

House Otard visit historic rooms, wine cellars and museum and finally a tasting of brandy.

Museum of Arts, cognac relates the fascinating adventure of the "liquor of the gods". Through

the evocation trades viticulture, oenology, distillation, cooperage, trading, in the glass industry and today's design-packaging, thousands of objects testify to the changes in technology, market strategies and ingenuity that has always been the people of cognac.

DATE:
Sunday 4, October 2015 and
Saturday 10, October 2015

TIME: 8:30 – 17:00

PRICE: 150.00€ VAT Excl.



Perigord

Visit Waterfront Lot in the East and the vineyards of the Gironde of Saint-Emilion in the West, the department is known worldwide for its prehistory and gastronomy. The Vezere Valley between Montignac and Limeuil which 15 sites are listed as World Heritage by UNESCO.

Rock shelters and caves carved into the limestone by erosion: La Madeleine, La Roque St. Christophe, Cap Blanc, shelter etc. It has 15 sites and more than 200 deposits listed. The caves, the most famous is the Lascaux cave, are the first signs of artistic and spiritual vocation of our ancestors ...

Castelnaud Castle, historical monument in 1966, overlooks the Dordogne valley and offers a magnificent view of the sites Beynac, Marqueyssac and Roque Gageac. On a guided tour of 1 hour, you will discover the castle on your own, the museum visit is punctuated audio-visual, video games and models.

DATE:
Sunday 4, October 2015 and
Saturday 10, October 2015

TIME: 8:30 – 17:00

PRICE: 160.00€ Excl.



Biarritz

Biarritz is a seaside resort with an aristocratic flair. The city is full of palaces, prestigious hotels, casinos, golf courses, gourmet tradition that gives this city its charm

The visit starts with the Sea Museum (entry surcharge), followed by a journey along the Basque coast, the Rocher de la Vierge. Passage to the rocks, Gamaritz and on the board of Atalaye look at the villas Norman type.

Walk in the fishing port and then to the holy Eugénie church and visit the renaissance

building of the nineteenth century.

Go onto the Place Clemenceau and esplanade Bellevue, restructured by Jean-Michel Wilmotte. Finally, descend to the beach, to the Casino Art Deco and enjoy the view of the sea ...

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ASFA is the professional association of toll motorway, tunnel and bridge concessionaires. It gathers

23 members operating 9053 km of toll roads. Improve road safety and mobility is the main priorities of the French toll road operators. Companies have invested more than 18 billion Euros in the last ten years to improve their network and provide safety and high mobility services.

They implement advanced technology across a wide range of applications, including automatic

incident, real time traffic information services, alert, automatic emergency call, nationwide full interoperable ETC system... ASFA members are actively participating in European projects. They were involved in COOPERS, CVIS, SAFESPOT, Safetrip, Scoref projects for cooperative system developments; Ecomove for improve eco driving; CESARE, REETS projects for full deployment of a European Electronic Toll Service. They are presently participating in MedTis, Arc Atlantic, EIP+ projects aiming to deploy harmonized ITS services in Europe. They are also in Scoop@F project.



Transport Systems Catapult is the UK's technology and innovation centre for Intelligent Mobility, harnessing emerging technologies to improve the movement of people and goods around the world. We are here to support business growth, increase the UK's share of the global Intelligent Mobility market, and attract investment – creating jobs and generating long-term economic growth.

We will help sell UK capability on the global stage, while also promoting the UK as a superb test bed for the transportation industry. With a clear emphasis on collaboration, we are bringing together diverse organisations across different modes of transport, breaking down barriers

and providing a unique platform for meeting the world's most pressing transport challenges.

Transport Systems Catapult is one of an elite network of not-for-profit technology and innovation centres established and overseen by the UK's innovation agency, Innovate UK. All Catapults obtain their funds from a combination of core Innovate UK support and competitively won business and public sector funding. In addition, the Transport Systems Catapult is receiving substantial funding from the UK's Department for Transport.

For more information, please visit www.ts.catapult.org.uk

Diamond Sponsors



Continental develops intelligent technologies for transporting people and their goods. As a reliable partner, the international automotive supplier, tire manufacturer, and industrial partner provides sustainable, safe, comfortable, individual, and affordable solutions. In 2014, the

corporation generated preliminary sales of approximately €34.5 billion with its five divisions, Chassis & Safety, Interior, Powertrain, Tire, and ContiTech. Continental currently employs approximately 200,000 people in 53 countries.



HERE, a Nokia company, is a leader in navigation, mapping and location experiences. We build high-definition (HD) maps and combine them with cloud technology to enable rich, real-time location experiences in a broad range of connected devices - from smartphones and tablets

to wearables and vehicles. Leading brands including BMW, Daimler, Microsoft, Samsung and Toyota trust HERE to provide mapping services for their customers. To learn more, including our work in the areas of connected and autonomous driving, visit <http://360.here.com>.

Gold Sponsors



Aximum, the expert group on traffic safety and management, is a subsidiary of Colas, a world leader in the construction and maintenance of transportation infrastructures.

Aximum offers permanent and temporary solutions for all types of infrastructures and roads to ensure that all users can get around safely without any problems.

Based on the strong performance of its industrial subsidiaries, along with its research department and specialist laboratories, Aximum has been able to develop high-performing and environmentally-friendly products in the following areas:

- Horizontal road signage (road marking products and application equipment);
- Safety equipment (permanent road restraint systems and modular lane separators);
- Vertical road signage (directions and rules);
- Innovative flow management (traffic regulation, traffic lights, variable message signs, parking management, transportation engineering).

The versatile and experienced teams at Aximum can also provide customised solutions to their clients that are adapted to their circumstances, ranging from private access roads and motorways to fast lanes and urban centers.



FORUM8 provides simulation software that makes full use of 3D Real-Time VR technology for automotive/mobility/ITS/ADAS technology development.

The scenario editor, one of many functions the software has to offer, enables users to assign

various experiment scenarios to perform and analyze many different what-if situations.

FORUM8 also develops various customized systems and driving simulators

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Acknowledgments

The International Programme Committee, on behalf of ERTICO – ITS Europe, ITS America and ITS Japan, would like to convey a heartfelt thanks to all the people who dedicated time and effort in reviewing papers and preparing the Congress Programme.

ERTICO - ITS Europe would like to express its gratitude for the great work done by all the people involved in the committees, without whom this Congress would not be organised.

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TOPOS

Created in 2006 at the initiative of the Regional Council of Aquitaine, labelled “Clusters of Excellence” since January 2011, the association TOPOS Aquitaine has more than forty active members in Aquitaine with expertise in navigation and positioning satellite system, and by extension, intelligent transport systems.

During the Congress, TOPOS Aquitaine represents four local authorities located in Bordeaux: The Regional Council of Aquitaine, The General Council of Gironde, Bordeaux Metropolis and the City Council of Bordeaux.

ITS FRANCE

ITS France is the major part of ATEC ITS France, the French association dedicated to the promotion of Intelligent Transport System whom provides a forum to all organisations concerned with ITS.

The membership, over 100 organisations, includes actors from various horizons: government departments, private and semi-public companies, local authorities, research and training organisations etc.

Through its activities, ITS France (Congress & Exhibition, workshops, technical visits...), contribute to bring the benefits offered by ITS in terms of economic efficiency, transport safety, and environmental benefits - and expand the ITS market.

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The Mission has been created by the Minister of Transport in August 2001 as a task force involving officers in charge of different projects in the field of ITS. The Mission of Intelligent Transport (MTI) depends on the Directorate-General for Infrastructure, Transport and the Sea. Its main objective is to deploy systems using information and communication technologies in order to apply French transportation policy easier.



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