



Mobility Management Meeting 2020

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Intelligent Mobility Services Enhance Transport Sustainability

Webinar Series

TIME Aug. 2020 - Jan. 2021, 6 Webinars

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Smart Cities and Green Mobility

Hosts:

China Highway & Transportation Society (CHTS)

ERTICO-ITS Europe

Southeast University, China



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15 October 2020

中国城市交通学会 欧洲智能交通协会 东南大学
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Smart Cities and Green Mobility

BACKGROUND

China's urbanization rate has exceeded 60%, and cities with over 1 million population have reached 90. The rapid development of motorization has been accompanied by traffic congestion and air pollution. Europe on the other hand, is taking measures to overcome these challenges, by means of its new growth strategy that transforms the Union into a modern, resource-efficient and competitive economy, the European Green deal. That involves a greener transport sector, smarter traffic management led and multimodality. The successful experiences and challenges in China and Europe will be discussed in this webinar while best practices in the development of greener transportation systems and innovation encouraging green mobility, and economic leverage strategies will also be discussed by experts in the panel.

AGENDA

8:30 a.m. - 11:30 a.m. 15 October 2020 (CEST time)

8:30 - 9:00	Welcoming Remarks	Mr. Wenjie LIU, Vice President and Secretary-General of CHTS, Vice President of IRF Prof. Jun CHEN, Dean of School of Transport, Southeast University Mrs. Claire DEPRÉ, Head of Unit ITS, European Commission
9:00 - 9:15	Introductions	Dr. Johanna TZANIDAKI, Director of Innovation & Deployment, ERTICO Prof. Wenbo ZHANG, Deputy Director, Complex Transportation Network Research Center, School of Transportation, Southeast University
9:15 - 9:35	Presentation 1	Dr. Biagio CIUFFO, Scientific Official, Joint Research Centre, European Commission
9:35 - 9:55	Presentation 2	Yueping WANG, Deputy General Manager of China Communications Construction Company Limited (CCCC) Xiong'an Investment Co., Ltd, Senior Engineer
9:55 - 10:15	Presentation 3	Dr. Angelos J. AMDITIS, Chairman of ERTICO - ITS Europe
10:15 - 10:35	Presentation 4	Prof. Hai YANG, Chair Professor in the Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology
10:35 - 10:55	Presentation 5	Dr. Laura COCONEA, Innovation Office Manager ITS Division, SWARCO AG
10:55 - 11:15	Presentation 6	Prof. Zhiyuan LIU, Associate Dean and Professor, School of Transport, Southeast University
11:15 - 11:35	Panel Discussion	Joined by Jian WANG, Founder of Shared Travel Laboratory and Public Transport Scholar of Chongqing Jiaotong University
11:35 - 11:40	Wrap-up & Next Steps	Nina GUAN, Director of International Cooperation Department, CHTS

INTRODUCTIONS



Wenjie LIU has served to date as the Secretary General and Vice President of China Highway and Transportation Society (CHTS), and Vice President of the International Road Federation (IRF). He has founded the magazine China Highway in 1994, and Presided over the edition of A Guide of Chinese Roads, A Guide of Chinese Bridges and other famous journals and magazines. Besides, he launched the Belt and Road International Transport Alliance, and established the Future Transport Research Institute. He has made tremendous contribution to transportation development in China.



Professor Jun CHEN, Dean of School of Transportation, Southeast University. He is also a member of the Teaching Steering Committee Concerning Transport Disciplines and Vice Chairman of the Sub Committee of Transport Engineering of the Ministry of Education, and a member of the expert group of China Urban Transport Planning Academic Committee. His main research interests are: planning and management of urban parking facilities, and optimization of urban comprehensive transportation system.

He has presided over 10 national science and technology projects such as key projects and key R & D projects of the National Natural Science Foundation of China. He has published more than 100 papers in academic journals at home and abroad, and published 7 academic monographs and teaching materials.



Claire DEPRÉ has led the unit responsible for Intelligent Transport Systems since 2013. Since 2016, Claire also manages European policies on alternative fuels infrastructure and urban mobility. Together with her team, she has contributed to unlock barriers to access to transport data in the EU and develop a European agenda in the field of cooperative, connected and automated mobility in road transport.

MODERATORS



Dr. Johanna Tzanidaki holds a PhD in EU Law from the Universities of Southampton and Cambridge, UK, and an LLM from Leiden Law School, The Netherlands. She also holds an MA and an MPhil from the UK Universities of Bristol and Cambridge and has professional qualifications in Project Management (PRINCE2), in CSR (Harvard Business School) and in Social Accountability (SAI). With long experience in EU Affairs and Policy, she has previously worked for the TomTom Group as Director of Public Affairs where she was responsible for advocating for the Group's interests and liaising with global and European ITS stakeholders on policy recommendations at national and EU Institutions level. She was also TomTom spokeswoman within the industry and public authorities associations (ERTICO, TISA, iMobility and C-ITS Platform). Johanna was a member of the ERTICO Supervisory Board for five years as she was annually elected to speak on behalf of TomTom and the Service Providers sector (2012-2017). She has launched and co-Chaired the ERTICO Innovation Platform TM 2.0 on Interactive Traffic Management since 2014. She has been extensively involved in the TISA ITS Directive WG and the EU EIP-TISA work on the ITS related EU Commission Delegated Regulations. She is specialised in EU Regulation and Policy in the field of Mobility and Transport. She joined the ERTICO team in July 2017 and leads the Innovation and Deployment department which is responsible for projects (24) and innovation platforms (7) run by ERTICO. She represents ERTICO at the CCAM Single Platform meetings and she was one of the experts drafting the Strategic Research and Innovation Agenda (STRIA) for the European Commission on Network Traffic Management (NTM) in 2016.



Dr. Wenbo ZHANG, School of Transportation, Southeast University Vice Director of Institute of Complex Transportation Network of Southeast University, Director of Transport Big Data Analysis and Distributed Computing Center of Southeast University.
Area: Traffic big data analysis and modeling, traffic system analysis and optimization, smart travel and multi-mode travel. He has published more than 20 theses and 1 monograph. He is the reviewer of Nature Communications、IEEE Transactions on Cybernetics、ISTTT24 and IEEE ITSC.

PANELISTS



Biagio Ciuffo received the Ph.D. degree in transportation engineering from the Department of Transportation Engineering of the University of Napoli Federico II in 2008. Then he held a three-year Post-Doctoral position at the European Commission Joint Research Centre (JRC), Ispra, Italy, working at the sustainability assessment of traffic and transport related measures and policies. He is now an Official of the European Commission working for the Directorate for Energy, Transport, and Climate of the JRC and scientific responsible for the Living Lab for Future Mobility Solutions currently being setup in the Ispra site of the JRC. In the past years he has led different projects concerning the analysis of the environmental and economic impacts of different transport policies. He is currently leading the JRC project focusing on the implications of connected and automated vehicles on transport efficiency, emissions and society.

Biagio Ciuffo has published more than 100 scientific reports and papers published in peer-reviewed journals and conference proceedings in transportation engineering. Among the others, he is one of the main authors of the JRC Report on the Future of Road Transport which analyses the wise implications of a connected, automated, low-carbon and shared mobility. He is also Deputy Editor in Chief for the IET Journal on Intelligent Transport Systems and Associate Editor of the IEEE Transactions on Intelligent Transportation Systems and serves as reviewer for the most important journals in the transportation field.

For his research activities on the calibration of traffic simulation models he was awarded with the 2012 Greenshields Prize and with the 2020 and 2013 Prize of the SimSub Committee all from the Transportation Research Board of the US National Academy of Science.



Yueping WANG , Deputy General Manager of China Communications Construction Company Limited (CCCC) Xiong'an Investment Co., Ltd , Senior Engineer

Vice President of Environment and Sustainable Development Branch of CHTS, Executive Director of Municipal Branch of China Engineering and Consulting Association, and Member of Expert Committee of China National Association for Engineering Consultants. He was the Deputy General Manager of CCCC Highway Planning and Design Institute Co., Ltd.

He presided over dozens of national key projects on planning, research, survey and design of China's transportation, and has long been engaged in the research and technological innovation of China's transportation planning and design, construction technical specifications and urban comprehensive transportation system. He has won Zhan Tianyou Civil Engineering Award and National Excellent Design Gold Award for many times.

PANELISTS



Dr. Angelos J. AMDITIS is Research Director in the Institute of Communication and Computer Systems and member of its Board of Directors. In June 2018 he was elected as ERTICO's - ITS Europe Chairman. Previously, he has been a member of the ERTICO Supervisory Board since 2013. He is the Vice President and one of the founding members of ITS Hellas. He is a member of the ALICE's Executive Group, Co-Chairing the WG3 "Systems & Technologies for Interconnected Logistics". He was one of the initiators of the EuroVR Association and he has also served as President from September 2010 till March 2016. He is participating or has participated to the CCAM, C-ITS Platform, INATBA, eMI³, MaaS Alliance DTLF, GEAR2030, TM2.0 Platform (Steering Body member), Trilateral WG on Automation, euRobotics, SENSORIS, WssTP, UITP, AIOI and many other EC Groups and Platforms. He is the writer of 90 peer-reviewed journal articles, book chapters and more than 220 conference papers. His current research interests are in the fields of ITS including Automated Transport Systems, Cooperative Systems, Electromobility, Smart Mobility both for people and cargo (ITS for Logistics), cooperative systems, sensor and information fusion, data management/aggregation, communication technologies, highly and fully automated driving and embedded systems, vehicle to grid connectivity and charging optimization strategies, control algorithms, human-machine interaction, and FOTs. He is also quite active on Internet-related research (IoT, Cloud services etc.) and in the fields of Sensors for monitoring purposes, Telematics, Telecommunications Systems, EMC/EMI, Electromagnetic sensors, etc. He has participated in a large number of Research projects being the scientific responsible of more than 150 projects in the last 20 years and currently, he is the coordinator of the following projects: CitySCAPE, eCharge4Drivers, HYPERION, Cyber-MAR, COREALIS, ICT4CART, RESIST, ELVITEN, IN-PREP and DIONE.



Prof. Hai YANG, Chair Professor in the Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology

Prof. Hai Yang is currently a Chair Professor in the Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology. He received his Bachelor degree from Wuhan University, China, and PhD from Kyoto University, Japan. Prof. Yang specializes in analysis, modeling and optimization of transportation systems and transportation economics. He is internationally known as an active scholar in the field of transportation, with more than 260 papers published in SCI/SSCI indexed journals and an H-index citation rate of 56. Most of his publications appeared in leading international journals, such as Transportation Research, Transportation Science and Operations Research. In recognition of his outstanding research, Prof. Yang has received a number of national and international awards, including JSCE Outstanding Paper Award (1991), Distinguished Overseas Young Investigator Award from the National Natural Science Foundation of China (NSFC) (2004), National Natural Science Award bestowed by the State Council of PR China (2011), HKUST School of Engineering Research Excellence Awards (2012). He was recently selected to receive Frank M. Masters Transportation Engineering Award of American Society of Civil Engineers (2020). Prof. Yang was conferred Chang Jiang Chair Professor by the Ministry of Education of PR China (host university: Beihang University) and Guest Chair Professor of Tsinghua University and Beijing Jiaotong University. He is an elected permanent member of the International Advisory Committee of the prestigious International Symposium on Transportation and Traffic Theory (ISTTT). Prof. Yang served as editors/guest editors or editorial advisory board members for a number of international journals. He served as the Editor-in-Chief of Transportation Research Part B: Methodological from 2013 to 2018 and is now a distinguished editorial board memb

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Dr. Laura COCONEA, Innovation Office Manager ITS Division, SWARCO AG

Laura holds a PhD degree in Electronics and Telecommunications Engineering from Politecnico di Torino and her main interest area is what today is called Future Mobility Management. She joined SWARCO as a Researcher in 2010 and lead the local SWARCO Mizar Innovation team starting from 2017, participating to tens of projects and initiatives addressing topics like CCAM, TM2.0 or MaaS.

Since June 2020 she is tackling the challenge of driving Innovation activities in the SWARCO ITS Division within her role as Innovation Office Manager.



Zhiyuan LIU, Associate Dean and Professor, School of Transport, Southeast University

Dr. Zhiyuan LIU the chief young professor of Southeast University, and visiting professor of Monash University of Australia, he is also Winner of Outstanding Youth Fund of National Natural Science Foundation of China, innovation and entrepreneurship talents of Jiangsu Province, director of Complex Transportation Network Research Center of Southeast University, and doctoral director of traffic school and School of Cyberspace Security of Southeast University.

Research fields: transportation network planning and management, traffic big data analysis and modeling. He has published more than 100 SCI/SSCI papers, more than 70 as first or corresponding author. He is Deputy Editor in Chief of ASCE Journal of transportation and IET Intelligent Transport Systems.

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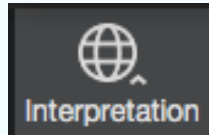
Jian WANG, Founder of Shared Travel Laboratory and Public Transport Scholar of Chongqing Jiaotong University

Public Transportation Scholar (School of Transportation, Chongqing Jiaotong University), Founder of Shared Travel Laboratory, Chief Scientific Communication Expert of national public transportation discipline (approved by China Association for Science and Technology), expert of Bus Rapid Transit Expert Committee of Chinese Civil Engineering Society, Expert of China Urban Public Transport Association Expert Committee and Member of China Buses Society Expert Committee, Goodwill Ambassador of the International Association of Public Transport (UITP), Chinese expert of the Busworld Academy, clean bus maintenance expert of Asian Development Bank.

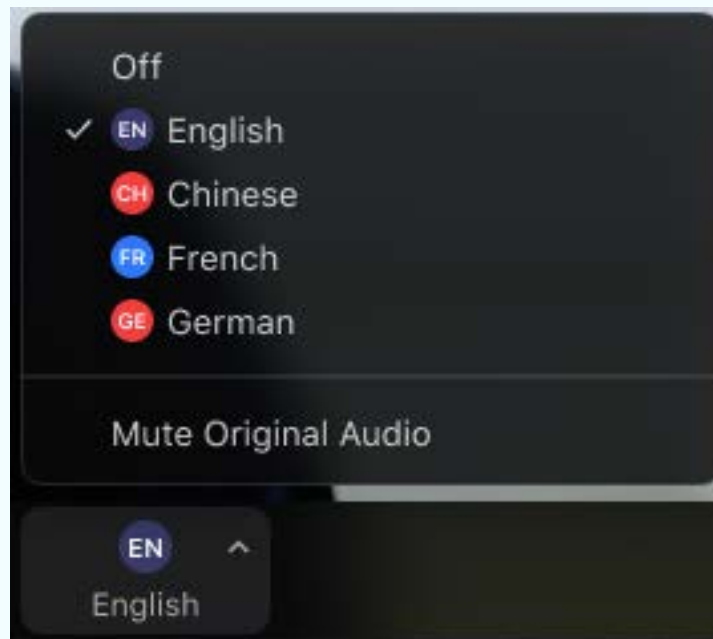
He studied the quality of urban public transportation services and passenger carrying capacity; actively promote shared bus services in the public transportation industry, and have long been committed to promoting the fair and effective implementation of public transportation priority policies, and disseminating advanced public bus technology and operation management experience. The main advocate of China's Mass Rapid Transit, MRT (MRT), and the supporter of Demand Response Transit (DRT) and the Mobility as a Service (MAAS) in China.

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