CCC

International Transport Webinars

THE FOURTH WEBINAR FOCUSED ON

ITS/IOT

Date
2022.11.15

06:00 AM, US EST
07:00 PM, Beijing Time
12:00 PM, Brussels Time (CET)

Co-sponsored by

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Wuhan University of Technology

Climate Change Challenges

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BACKGROUND

Decarbonization of transport and promoting a green and low-carbon oriented transition of transportation and achieving sustainable development have been hot topics. Designed to promote commercialization of scientific and research findings that support sustainable development of transportation and help achieve the global goals on climate. this webinar will discuss the role of ITS and IoT in the decarbonization of transport and reduction of greenhouse gas emissions. study with system composed of human-vehicles-road-environment and discuss issues as safety, congestion management, energy saving and environment protection etc.

Agenda

	US EST / Brussels CET
Opening	6:00 – 6:15 / 12:00 – 12:15
Thematic Introduction	6:15 – 6:20/ 12:15 – 12:20
Presentations	6:20 – 8:00 / 12:20 – 14:00
Panel Discussion	8:00 – 8:50 / 14:00 – 14:50
Conclusion	8:50 – 9:00 / 14:50 – 15:00

Moderator **Nina Guan**, Director of International Cooperation Department, CHTS **Christos S. Xenophontos**, Co-chair of International Coordinating Council, TRB	
Opening and Welcoming Remarks **Prof. Zhang Hui,** Deputy Director, Intelligent Transportation System Research Center, Wuhan University of Technology **Dr. Johanna Tzanidaki,** Director of Innovation and Deployment, ERTICO	
Thematic Introduction **Prof. Lyu Nengchao**, ITS Research Center, Wuhan University of Technology	
Presentation 1 – **Prof. Chen Zhijun**, Wuhan University of Technology	Research on Energy Saving Path Planning of Intelligent Vehicle for Eco-Driving
Presentation 2 – **Roger L. Wayson**, Ph.D., P.E., Senior Environmental Engineer, Member of TRB's AMS10 and AEP80	Intelligent Transportation Systems Possible Environmental Benefits
Presentation 3 – **Dr. Tamara Djukic**, Senior Manager at ERTICO	ERTICO Roadmap towards Clean and Eco Mobility
Presentation 4 – **Maya Ter Laag**, SIPA Southeast Asia project coordinator of ITF	How Digitally-driven Operational Improvements Can Reduce Global Freight Emissions?
Presentation 5 – **Wang Jing**, General Manager of Tianyi Traffic Technology Co., Ltd, Chairman of Board of Allride Technology Co., Ltd.	Large Scale Practice of "Light Vehicle and Familiar Road" Cooperative Vehicle Infrastructure System
Panel Discussion Moderator **Dr. Tamara Djukic**	
Conclusion **Nina Guan**, Director of International Cooperation Department of CHTS **Christos S. Xenophontos**, co-chair of International Coordinating Council, TRB	

Christos S. Xenophontos

Co-chair of International Coordinating Council, TRB

Christos S. Xenophontos, Assistant Director for the Rhode Island Department of Transportation (RIDOT), and co-chair of TRB's International Coordinating Council has more than 35 years of experience in the Transportation field as an Engineer, Project Manager and Administrator. He currently leads RIDOT's

Research and Innovation initiatives, including the Little Roady pilot project on Connected and Autonomous Vehicles. Christos has been particularly active, both at the national and international level, in the area of Performance Management and has a keen interest on the impact of emerging and disruptive technologies on the performance of Transport agencies.

Guan Nina

Director of International Department of China Highway and Transportation Society (CHTS)

Ms. Guan Nina is Executive Secretary of BRITA, and Deputy Secretary General of the Working Committee on Automatic Driving of CHTS. Graduated from Jilin University in July 2000, she has been working in CHTS since January 2003.

Responsible for BRITA activities, she mainly participates in BRITA transportation project research and is responsible for organizing World Transport Convention (WTC), BRITS and China-Africa Transportation Infrastructure Cooperation Forum. Since 2009, she has been the Assistant of China Liaison Ambassador of IRF and since 2017, she has been a member of TRB's International Coordinating Council.

Prof. Zhang Hui

Deputy Director, Intelligent Transportation System Research Center, Wuhan University of Technology

Dr. Hui Zhang is the Deputy Director and an Associate Professor of Intelligent Transportation Systems Research Center (ITSC) at Wuhan University of Technology, China. He graduated from Wuhan University of Technology and worked as postdoctoral fellow in University of Alberta during 2013-2016. His main expertise is in the areas of traffic safety management and driving behavior analysis. He serves on the editorial board members of Accident Analysis and Prevention. He is the youth committee member of China Communications and Transportation Association and the Vice Secretary of Intelligent Transportation Systems Technical Commission of Chinese Association for Artificial Intelligence. He is awarded the Deborah Freund Paper Award in 2017 by Transportation Research Board Truck and Bus Safety（ANB70）Committee.

Dr. Johanna Tzanidaki

Director of Innovation and Deployment, ERTICO

A Greek national, 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. She has launched and co-Chaired the ERTICO Innovation Platform TM 2.0 on Interactive Traffic Management since 2014. Johanna 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 has participated in the workings of the C-ITS Platform, the Single Platform for CCAM and currently represents ERTICO in the CCAM Association (PPP) run under the auspices of the European Commission serving as the co-leader of Cluster 4 (Vehicle integration into the transport system). She joined the ERTICO team in July 2017 and served as Director of Innovation and Deployment until March 2022, when she was promoted to Chief Innovation Officer (CINO). She has been appointed a member of the US Transport Research Board (TRB) in April 2022.

Prof. Lyu Nengchao

ITS Research Center, Wuhan University of Technology

Professor Lyu Nengchao is the Young Top Talents, Wuhan University of Technology, China. He is the outstanding youth of Hubei Province, standing member of the Youth Science and Technology Workers Committee of the China Communications and Transportation of Association, chairman of the Safety Analysis and Improvement Technical Committee of WTC, committee member of ITS China. He focuses on scientific research and talent training in intelligent connected transportation, assisted and autonomous driving, road traffic safety evaluation, etc. He presided over 4 National Natural Science Foundation of China, 6 provincial and ministerial projects; presided over more than 20 intelligent transportation related projects. Based on the research, more than 80 papers have been published, and more than 20 patents or software copyrights have been obtained. He has won 5 provincial and ministerial awards including the Hubei Province Technical Invention Award.

Chen Zhijun

Deputy Director of the Institute of Intelligence in Intelligent Transportation at Wuhan University of Technology

Head of the Innovation and Entrepreneurship Center for Intelligent Connected Vehicles, Member of Autonomous Driving Working Committee, CHTS

Mainly engaged in traffic safety, intelligent transportation, vehicle-road cooperation/Internet of vehicles and other aspects of the research. He has won a number of awards in the field of intelligent transportation and presided over a number of Chinese national funds and research and development projects.

Roger L. Wayson, Ph.D., P.E.

Senior Environmental Engineer

Member of TRB's AMS10 Standing Committee on Air Quality and Greenhouse Gas Mitigation and Member of AEP80 Standing Committee on Transportation-Related Noise and Vibration. Dr. Wayson has over 47 years of experience dealing with air pollution (carbon reduction, criteria, greenhouse gases, hazardous air pollutants) and noise pollution. This includes carbon reduction, NEPA analysis, measurement, modeling, and abatement engineering for sustainable operations for highway, rail, airports, and water vessels. He is now Senior Environmental Engineer of Noise and Air Quality with AECOM, and Adjunct Professor with Georgia Institute of Technology. Dr. Wayson has over 200 publications including 31 Journal Articles, over 75 Peer Reviewed Conference Papers, 7 Books/Book Chapters, and over 70 Major Project Reports. He has won numerous significant awards, including Part of Award Team awarded Noble Prize for work with the International Panel on Climate Change (IPCC) on Global Warming (Aviation and the Global Atmosphere).

Dr. Tamara Djukic

Senior Manager at ERTICO

Dr. Djukic has great expertise in both Urban and Clean mobility matters and has worked on both Traffic Management and MaaS topics. She leads the ERTICO RoadMaps on Clean and Eco-mobility and works on innovation projects in both Urban and Clean mobility. With a double nationality (Dutch and Serbian), Tamara holds a PhD in Transport Planning and Management at the Delft University of Technology and a Diploma engineer Degree in Road Transport and Traffic at the Faculty of Transport and Traffic Engineering from the University of Belgrade.

Maya Ter Laag

SIPA Southeast Asia project coordinator of ITF

Maya is an experienced transport modeller and policy analyst at the International Transport Forum. Her work focuses mostly on sustainable logistics. She is an expert on urban logistics. Maya is the project manager of SIPA's transport workstream on freight connectivity and decarbonising freight transport in Southeast Asia. Before starting at the ITF, she was involved in urban mobility innovations at the Netherlands Organisation for applied scientific research (TNO). Maya holds an MSc in Transport, Infrastructure and Logistics and a BSc in Systems Engineering, Policy Analysis and Management from TU Delft.
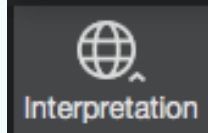
Wang Jing

General Manager of Tianyi Traffic Technology Co., Ltd, Chairman of Board of Allride Technology Co., Ltd.

Wang Jing is one of the earliest leaders in China who firmly deployed key research directions on autonomous driving and cooperative vehicle infrastructure. He systematically put forward the concept of "software-defined vehicle" and the "digital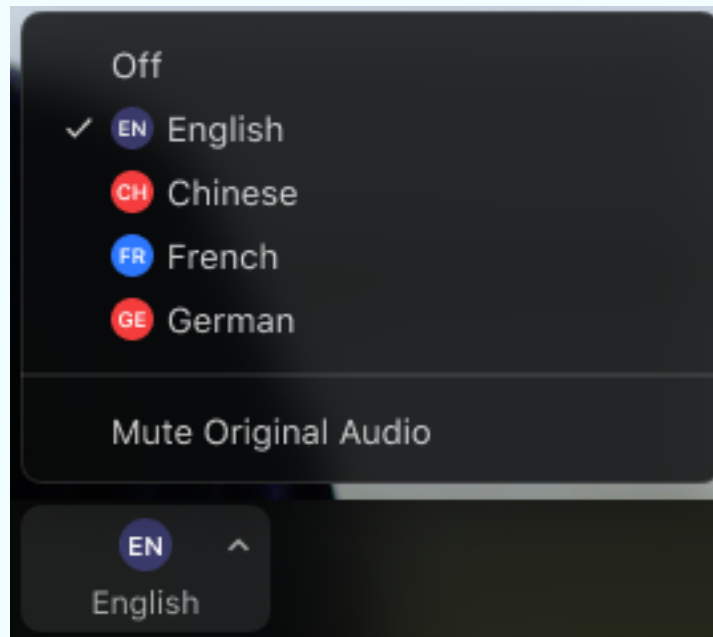 operation of cooperative vehicle infrastructure " for the first time in the industry. Wang Jing has a bachelor's degree in computer science from the University of Science and Technology of China, and a master's degree in computer science from the Chinese Academy of Sciences, and got his second master's degree in computer science from the University of Florida (UFL). In June 2017, Wang Jing was awarded "20 Leading Technologists Driving China's AI Revolution" by Forbes. In November 2016, Automotive News, an authoritative media in the U.S. auto industry, released the list of "60 People Driving the Self-driving Movement" . As the only Chinese entrepreneur on the list, Wang Jing was known as "China's driverless pioneer".

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