WORLD TRANSPORT CONVENTION
The Way Connecting China and the World

Time: June 4 to 6, 2017
Venue: Beijing, China
In the past 30 years, the development of transportation systems in China is not only a major driving force for its economic growth, but also one of the key changes affecting the world. In China, large-scale investment and construction of high-speed rails, airports, sea-crossing bridges, underwater tunnels and offshore deep-water ports are blooming across the country, whereas research and innovation on smart city system, urban pipe network systems, modern logistics systems, and maritime satellite systems are also progressing rapidly.

However, transport is facing a number of challenges for sustainable development, such as the multi-disciplinary convergence, big data science, climate changes, and extreme events. How to cope with these changes is an inevitable question that the world transportation community has to address collectively. Therefore, initiated by China Highway and Transportation Society (CHTS) and in cooperation with transport organizations both in China and in other countries, the inaugural World Transport Convention (WTC) will be held in Beijing from June 4 to 6, 2017.

WTC 2017 will focus on Comprehensive, Smart, Green, and Safe transportation. WTC aims at establishing an international platform for all of the stakeholders of transport industry to share research findings and academic ideas, exchange successful practice and managerial trials, and explore business opportunities and global collaborations.
China Highway & Transportation Society is proud to launch the inaugural World Transport Convention from June 4-6, 2017 in Beijing, China. Aiming at promoting global partnership and international technology exchange, the convention will be a comprehensive one covering almost all aspects of transportation. WTC will serve as a great platform for knowledge sharing and networking among government officials, practitioners, academia, and contractors and investors around the globe. Besides learning from technological advancements and best practices in the other countries, we would also like to demonstrate transportation achievements made in China and share challenges we have encountered.

Beijing, as the capital of China and an international hub of various modes of transportation systems, is extending its warmest welcome to you. We look forward to seeing you at WTC in Beijing in June 2017.

Please visit http://wtc.9811.com.cn for more information. The call for abstracts has begun!

Sincerely,

Mengyong WENG
Chair, Organizing Committee
President of China Highway & Transportation Society

Welcome Words

Chair, Organizing Committee
Mr. Mengyong WENG
President of China Highway & Transportation Society

China Highway & Transportation Society is proud to launch the inaugural World Transport Convention from June 4-6, 2017 in Beijing, China. Aiming at promoting global partnership and international technology exchange, the convention will be a comprehensive one covering almost all aspects of transportation. WTC will serve as a great platform for knowledge sharing and networking among government officials, practitioners, academia, and contractors and investors around the globe. Besides learning from technological advancements and best practices in the other countries, we would also like to demonstrate transportation achievements made in China and share challenges we have encountered.

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Sincerely,

Mengyong WENG
Chair, Organizing Committee
President of China Highway & Transportation Society

Co-Chair, Organizing Committee
Dr. Youfang HUANG
President of China Institute of Navigation
President of Shanghai Maritime University

Maritime transportation, as an important form of transportation, is also one of the main modes of transportation in international trade and logistics. It plays a key role for supporting the world economic health, improving people’s living standard, and promoting the globalization. At present, national initiatives in promoting the healthy development of maritime industry in China have provided the new driving momentum for maritime transportation. It is our strong belief that when the world economy is becoming more and more global and as long as all countries keep striving for mutual development and progress, encouraging collaboration research and innovations, and embracing creative ideas, the maritime industry will no doubt have a bright tomorrow.
Co-Chair, Organizing Committee
Mr. Jun Li
President of China Air Transport Association

Since the Chinese economic reform, China has enjoyed years of booming growth in transport industry for decades especially in areas like highway, railway, air transport and urban rail transit. The civil aviation passenger turnover growth rate has kept raking first in the comprehensive transportation systems since 2000. In 2015, the civil aviation passenger turnover accounted for 24.2% of the overall passenger transportation, with an average annual growth of 14.8% in the past 10 years, which has played a pivotal role. Under this background, it is obvious that this is the perfect time to launch the first World Transport Convention (WTC). There is no doubt that the WTC will play an important role in bringing the international transportation communities together and creating new opportunities for air transportation. I wish the conference a complete success!
Chairs of Committees and Tracks

Secretary-General
Mr. Wenjie LIU
Vice President & Secretary-General of China Highway & Transportation Society

Mr. Wenjie LIU is the Secretary-General of China Highway & Transportation Society, and the Director of China Highway Magazine Agency. He graduated from Qinghua University with a major in EMBA in 2007. Mr. Liu began his career in communications industry in 1984 as a Journalist and Editor of China Transportation Newspaper. Mr. Liu has been well connected with governments, associations, companies and universities as well as other organizations in road, bridge, and tunnel section. Mr. Liu is the International Road Federation Ambassador for China.

Chair, Advisory Committee
Dr. Xuhong ZHOU
Professor, President of Chongqing University
Member of the Chinese Academy of Engineering

Prof. Zhou has dedicated his long-time efforts to the research and teaching of steel structures. He holds various posts such as the honorary president of China Steel Construction Society (CECS), the director of Technical Committee of National Engineering Research Center for Steel Construction, and the deputy director of Construction Standardization Technical Committee of Ministry of Housing and Urban-Rural Development (MOHURD), to name a few. He is the chief editor or co-editor of 14 highly respected journals in his field. He has received many awards, including the second prize of National Scientific and Technological Progress Award for three times and the first prize of provincial or ministerial Scientific and Technological Progress Award for eight times. In 2013, he won the outstanding contribution award of composite structure. In 2014, he was entitled of 30-year leading talent of steel structure of China. In 2011, he was elected as an academician of the Chinese Academy of Engineering.
Dr. Walton’s research includes intelligent transportation systems and emerging technologies, intermodal freight logistics in addition to transportation systems engineering, planning, operations and policy analysis. Dr. Walton was elected a member of the National Academy of Engineering in 1993. In other professional society affairs, he is a past Chairman of the Board of the American Road and Transportation Builders Association (ARTBA), past President of the Board of Governors of the Transportation and Development Institute of the American Society of Civil Engineers (ASCE), a founding member and past Chairman of the Board of Directors of the Intelligent Transportation Society (ITS) of America and a past Chairman of the Transportation Research Board (TRB) Executive Committee. He has contributed to numerous publications and has delivered several hundred technical presentations. He serves on a number of Boards as a Director of public organizations and private companies.

Professor Aimin Sha is the leader of National Innovative Team of Highway Construction and Maintenance Technology in Special Environments; the director of Key Laboratory of Highway Engineering in Special Regions, MOE; the vice chairman of Road Engineering Committee, CHTS; and the vice president of Chang’an University. He has been working on research, teaching and application of highway science and technology and focusing on the structure formation and performance improvement of semi-rigid pavement, the material and structure of eco-friendly pavements, and the testing, evaluation and control for asphalt pavement construction quality. He has been awarded 2 items of Second Prize for National Science and Technology Progress, 5 items of First Prize for Provincial or Ministerial Science and Technology Progress.
Chair, Scientific Committee
Dr. Zhanmin ZHANG, Clyde E. Lee Endowed Professor
The University of Texas at Austin

Dr. Zhanmin Zhang has been actively conducting research in large-scale infrastructure systems simulation and analysis, optimal resource allocation, innovative financing mechanisms, infrastructure risk and resilience for more than 20 years in the United States and abroad. He is Director of the Center for Resident Infrastructure and Smart Cities (CRISC) at the University of Texas at Austin. As a Principal Investigator or Co-Principal Investigator, Dr. Zhang has conducted research totaling more than $16 million. Dr. Zhang is an author or co-author of more than 180 technical papers, reports, and articles and has delivered more than 130 oral presentations nationally and internationally. Dr. Zhang was selected to receive one of the most prestigious national awards, the 2012 ASCE James Laurie Prize.

Chair, Highway Engineering
Dr. Hainian WANG, Professor and Associate Dean
School of Highway
Chang’an University

Dr. Hainian Wang has been actively conducting research in assessment of design of pavement structure, optimization, testing and characterization on the sustainable pavement materials. He has a deep study on the developing the bio-asphalt binder, characterization and simulation of the material microstructure, and cold region pavement, et al. As the Principal Investigator, Dr. Wang has been leading 10 plus influential research programs, from NSFC, National DOT and Shaanxi province. Dr. Wang has published more than 100 academic papers on high level national and international journals.
Dr. Lu Sun, is the director of International Institute of Safe, Smart and Sustainable Transportation & Infrastructure and also the Changjiang Scholar Adjunct Professor of Southeast University, Nanjing, China. His research areas include solid mechanics, highway and railway engineering, bridge and tunnel engineering, transportation engineering, operations research and management science, informatics and big data. He obtained BS and PhD degrees respectively in 1993 and 1996 from Southeast University, Nanjing, China, and PhD degree in 2001 from the University of Texas at Austin. He has published more than 230 technical papers in refereed journals and conferences, three monographs, and two patents. He has served as principal investigator for more than 60 research projects funded by the government organizations of both the U.S.A and China. Dr. Sun is also the recipient of Jiangsu Wusi Medal, Chiangjiang Scholarship Award, National Science Foundation CAREER Award, Outstanding PhD Dissertation Award, and first place in Mathematical Contest of Modeling.

Dr. Zhou Jianting mainly conducts research on bridge inspection, evaluation and reinforcement. He has been awarded for the 2nd place of China National Science &Technology Award twice. Dr. Zhou Jianting is the Yangtze River Scholar Professor, member of the National Outstanding Youth and the leading person of the “Ten Thousand Talents Program” for science and technology innovation. He also serves as the National Outstanding Specialist for Science & Technology Work, the National Candidate for the New Century Talents Project as well as the High Caliber Talent of the Ministry of Education.
Dr. Zhao received his Ph.D. in urban engineering from the University of Tokyo in 1996. His research interests are travel demand modeling and transportation policy analysis. He serves as members of Committee on Intermodal Freight Transport of TRB (AT045), and Committee on Freight Transportation Planning and Logistics (AT015), and overseas invited member of International Association of Traffic and Safety Sciences (IATSS). As Principal Investigator, he has overseen a number of projects funded by National Natural Science Foundation of China (NSFC) and other international agencies. Dr. Zhao was a Fulbright Scholar at Kennedy School of Government, Harvard University from 2008 to 2009 and a Visiting Scholar at the University of Texas at Austin in 1997 and Research Fellow of Japan Society for the Promotion of Science (JSPS) from 1996 to 1998.

Dr. Yanfeng Ouyang received his Ph.D. in civil engineering from the University of California at Berkeley in 2005. His research mainly focuses on transportation and logistics systems, infrastructure systems, and applications to military, energy, and agricultural systems. He currently serves as a department editor of IIE Transactions, an area editor of Networks and Spatial Economics, the associate editor of Transportation Science, an associate editor of Transportation Research Part C, and an associate editor of Transportmetrica B. He received the Walter L. Huber Research Prize from the American Society of Civil Engineers in 2015, the High Impact Project Award from the Illinois Department of Transportation in 2014, the Distinguished Promotion Award from UIUC in 2016, the Engineering Council Outstanding Advisor Award from UIUC in 2014 and others.
Chair, Transportation Planning  
Dr. Hongzhi GUAN, Professor  
Beijing University of Technology

Dr. Guan received his Ph.D. degree from Kyoto University in 1997. He is engaged in education and research at Beijing University of Technology. At the same time, he is also a member of Teaching Guiding Committee for College Transportation Education under the Ministry of Education, the secretary-general of the subcommittee for the teaching of traffic engineering. Dr. Guan is the director of China Road Traffic Safety Association, as well as the director of China Institute of Highway Planning Branch. Dr. Guan has conducted in several successful and ongoing projects, including one National Key Technology R&D Program in the 11th Five Year Plan of China, and one National 973 Project. Dr. Guan received the third prize for scientific and technological progress from the Ministry of Public Security in 2006, and got the third prize for scientific and technological progress of Beijing in 2007.

Chair, Water Transportation  
Dr. Ying-en GE, Professor and Dean  
College of Transport & Communications  
Shanghai Maritime University

Dr. Ge’s primary academic interests include transportation network analysis, demand management, transportation policy & the environment, and operations and management of ports & shipping. His publications appear in Transportation Science, Transportation Research Parts B & D, Networks and Spatial Economics, as so on. He serves as associate editor of Transportmetrica (B, transport dynamics), and is a member of the editorial boards of Transport (SCI), Transportation Informatics and Safety and Journal of the Shanghai Maritime University. Besides, he organized three special issues in Transport, Transportmetrica B: Transport Dynamics and Transportation Research Part D: Transport and Environment. Over the years he also served as the Executive Chair of the 6th International Symposium on Travel Demand Management (TDM2016), the Chair of the Organizing Committee of the 6th Transportation Research Forum (Shanghai), and the 16th COTA International. Conference of Transportation Professionals (CICTP2016).
Dr. Zhu Xiaoning is a doctoral supervisor at Beijing Jiaotong University. His main research fields are theory and technology of container transportation and multimodal transportation, theory and technology of express transportation operation, theory and method of regional and urban logistics system planning and design.

Dr. Xuesong Zhou joined the School of Sustainable Engineering and the Built Environment at Arizona State University in 2013. Dr. Zhou is currently an Associate Editor of Transportation Research Part C, an Associate Editor of Networks and Spatial Economics, an Editorial Board Member of Transportation Research Part B, and Associate Executive Editor-in-Chief for Urban Rail Transit. Dr. Zhou is the Co-Chair of the IEEE ITS Society Technical Committee on Traffic and Travel Management, Co-Vice Chair for Institute for Operations Research and the Management Sciences, Railway Applications Section (RAS). He also serves as the Chair for the Network Equilibrium Modeling Subcommittee in TRB Committee on Transportation Network Modeling (ADB30). He is also the co-inventor of Key2SafeDriving technologies, which has been reported by more than 300 media outlets including New York Times, Wall Street Journal and National Public Radio. Dr. Zhou’s research work focuses on dynamic traffic assignment, traffic estimation and prediction, large-scale routing and rail scheduling.
Dr. Xianbin Cao received the Ph.D. degree in intelligent information processing from University of Science and Technology of China (USTC), Hefei, in 1996. He is currently a professor of the School of Electronic and Information Engineering, Beihang University, and the deputy director of National Key laboratory of CNS and ATM. His research interests include natural computation, intelligent transportation systems, and information security. He has published more than 100 books, book chapters, and papers in intelligent transportation systems, and won the second prize of National Scientific and Technological Progress Award. He is also the IEEE senior member, associate editor of *Neurocomputing* and editorial board of *Journal of navigation and positioning*. Owning to outstanding academic contributions, Dr. Cao was selected as Yangtze river scholars Distinguished Professor, and received the support of National Ten Thousand Talent Program and National Science Fund for Distinguished Young Scholars.

Dr. Wenbo Du received his B.S. and Ph.D. degrees from the University of Science and Technology of China in 2005 and 2010, respectively. In 2011, he joined Beihang University as an associate professor. From 2015 to 2016, he worked in University of New South Wales at the Australian Defence Force Academy as a visiting scholar. His research interests include complex network, network dynamics and evolutionary computation. He has published over 40 journal papers, which are cited over 1,000 times. Now he serves as a young academic editor of *Frontiers of Computer Science*, and Editorial Board of *Journal of Airline and Airport Management*. 
Chair, Cross-Cutting
Dr. Xing-ju WANG, Professor and Associate Dean
School of Traffic and Transportation Engineering
Shijiazhuang Tiedao University

Dr. Xing-ju WANG is the professor and associate dean in the School of Traffic and Transportation Engineering at Shijiazhuang Tiedao University. He serves as a director of Traffic Safety and Control Laboratory of Hebei Province in China. His current research interests include infrastructure asset management, reliability of large-scale infrastructure network and intelligent infrastructure systems. As a Principal Investigator, Dr. Wang has led more than 10 major research projects. He has delivered more than 40 papers and was selected to receive Youth Top-notch scholar of Hebei Province in China.

Co-Chair, Cross-Cutting
Dr. H. Oliver GAO, Associate Professor
Cornell University

Dr. H. Oliver GAO received his graduate degrees (Ph.D. in Civil and Environmental Engineering from the University of California at Davis in 2004, M.S. degree in Civil Engineering in 1999, and undergraduate degrees in Environmental Science and Civil Engineering in 1996 from Tsinghua University, China. His research focuses on quantitative modeling and development of engineering systems solutions for sustainable and intelligent infrastructure and lifeline systems, low carbon and low emission transportation systems, and the closely related environment (especially air quality and climate change)-energy systems. He also studies alternative transportation/energy technologies, systems innovation, and green supply chain and logistics (e.g., sustainable food systems, quantifying and mitigating green-house gas emissions from food supply chains). He is a member of TRB Transportation Air Quality Committee (ADC20) and Maintenance Equipment (AHD60). He is an academic member on the Federal Advisory Committee of US EPA MOVES model development, and a member of the Cornell Atkinson Center for a Sustainable Future (ACSF). He currently serves as the Editor-in-Chief of Transportation Research Part D: Transport and Environment.
Distinguished Academician and Scholars

Academics Involved in Organizing WTC

- Yanliang DU, Vice President of Shijiazhuang Tiedao University, Member of the Chinese Academy of Engineering
- Yuanming LAI, Research Fellow of Cold and Arid Regions Environmental and Engineering Research Institute, Member of the Chinese Academy of Sciences
- Man-Chung TANG, Chairman of the Board, T.Y. Lin International (TYLI), Member of the US. National Academy of Engineering, Foreign Member of the Chinese Academy of Engineering, USA
- Fuming WANG, Professor of Zhengzhou University, Member of the Chinese Academy of Engineering
- Mengshu WANG, Professor of School of Civil Engineering, Beijing Jiaotong University, Member of the Chinese Academy of Engineering
- Wanming ZHAI, Professor of Southwest Jiaotong University, Member of the Chinese Academy of Sciences
- Jianlong ZHENG, Professor of Changsha University of Science and Technology, Member of the Chinese Academy of Engineering
- Yingren ZHENG, Member of the Chinese Academy of Engineering

Distinguished Scholars Involved in Organizing WTC

- Imad L. Al-QADI, Founder Professor of Engineering, The University of Illinois Urbana-Champaign, USA
- Tien Fang FWA, Professor of the National University of Singapore, Singapore
- Jim GILLILAND, President of the Canadian Society for Civil Engineering, Canada
- Baoshan HUANG, Edwin G. Burdette Professor of the University of Tennessee at Knoxville, USA
- Xiaoming HUANG, Professor of the National University of Singapore, Singapore
- Kazuo NISHII, Professor of the University of Marketing and Distribution Sciences, Japan
- Robert E. SKINNER, Jr., Transportation Consultant and former Executive Director of TRB, USA
- Lijun SUN, Professor of Tongji University
WTC Organizing Committee is putting out this call for papers to invite authors to submit papers for presentation at the World Transport Convention in June 2017. More detailed information regarding paper submissions is available by visiting the conference website at http://wtc.9811.com.cn. The official languages of WTC are Chinese and English; papers in either Chinese or English are accepted. All accepted papers will be collected in the WTC CD proceedings, and high-quality papers will be recommended to selected national and international journals for potential publication. Examples of such journals include:

- Advances in Materials Science and Engineering (SCI)
- Advanced Pavement Materials for Sustainable Transportation (Special Issue-SCI)
- Applied Sciences (SCI)
- CAAI Transactions on Intelligent Systems (Academic Core Journal)
- China Journal of Highway & Transport (EI)
- Chinese Journal of Aeronautics (EI)
- Frontiers of Computer Science (SCI)
- Journal of Beijing University of Aeronautics and Astronautics (EI)
- Journal of Rock Mechanics and Geotechnical Engineering (Special Issue-Scopus Indexed)
- Journal of Navigation and Positioning (EI)
- Maritime Economics and Logistics (SSCI)
- Maritime Policy & Management (SSCI)
Important Dates:

- Full paper submission deadline: January 31, 2017
- Full paper acceptance notification: March 31, 2017
- Revised paper submission deadline: April 30, 2017

All papers should be submitted online at http://wtc.9811.com.cn.

Track I. Highways

1.1 Asphalt Pavement
1.2 Concrete Pavement
1.3 Pavement Engineering Materials
1.4 Geometric Design and Drainage Design
1.5 Geo-tech and Embankment
1.6 Pavement Inspection and Maintenance
1.7 Smart Road
1.8 Road Safety and Emergency Management
1.9 Construction Engineering & Project Management

Track II. Structures

2.1 Bridge Structure Design, Construction and Inspection
2.2 Bridge Life-Cycle Safety Monitoring, Evaluation (Assessment) and Management
2.3 Bridge Rehabilitation and Maintenance
2.4 New Technologies, New Materials and Construction Techniques for Bridges
2.5 Disaster Prevention and Mitigation for Bridges, Bridge Resistance to Earthquakes and Winds
2.6 Tunnel Structure Design, Construction and Inspection
2.7 Tunnel Project Life-Cycle Safety Monitoring, Evaluation (Assessment) and Management
2.8 Tunnel Rehabilitation and Maintenance
2.9 New Technologies, New Materials and Construction Techniques for Tunnels and Underground Space
2.10 Disaster Prevention and Mitigation for Tunnels
Track III. Traffic Engineering

3.1 Traffic Survey and Analysis
3.2 Traffic Design and Construction
3.3 Traffic Operation and Management
3.4 Traffic Safety and Environment

Track IV. Transportation Planning

4.1 Policy
4.2 Forecasting Planning
4.3 Land Use
4.4 Energy and Environment

Track V. Water Transportation

5.1 Water Transportation Engineering and Safety
5.2 International Maritime Law
5.3 Port Business
5.4 Maritime Logistics and Supply Chains
5.5 Maritime Economy and Policy
5.6 Water Transport System Optimization and Management

Track VI. Rail Transportation

6.1 Rail Transit Operation Information Perception and Fusion
6.2 Rail Transportation Resource Configuration Optimization
6.3 Efficiency and Service Enhancement of Passenger and Freight Transportation
6.4 Network Operation Management and Train Operation Control
6.5 Intelligent Operations and Emergency Disposal for Railways
6.6 Rail Transit Information Driven by Big Data Comprehensively Serves the Intelligent Decision

Track VII. Air Transportation

7.1 Communication, Navigation and Surveillance
7.2 Air Traffic Management
7.3 Aviation Safety and Law

Track VIII. Cross-Cutting

8.1 Infrastructure Finance, Investments and Management
8.2 Data & Information
8.3 Smart City
8.4 Transportation & Environment
8.5 Connected and Autonomous Vehicles

Contact Us

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