



5.2 Special Session Programme

Special Sessions: Relating to a Specific Session Track

A2-SS1: China Maritime Transportation & Logistics

Monday, 11 July: 2C 13:30-15:10

Room: ZHB502

Session Chair: TBC

1. Evolution of the regulation and deregulation of ports and supply infrastructure in China;
2. Planning, construction and operations of automated ports in Xia Men and Yanshan, China;
3. Experiences and challenges of pilot tests of green ports in Shanghai Harbor, China;
4. Challenges and opportunities one-belt-one-road 'strategy' brings to China in maritime transportation;
5. Efforts, difficulties and solutions to implementation of water-rail joint seamless transportation and even to the problem of greater integration: achieving seamless links between ports, rail and roads in China

A2-SS2: Port Innovation

Monday, 11 July: 2C 13:30-15:10

Room: ZHB503

Session Chair: Christa Sys, University of Antwerp, Belgium

1. Christa Sys (University of Antwerp, Belgium): Scope of international port innovation research
2. Michele Acciaro (Kühne Logistics University, Germany): Port innovation success measurement
3. Thierry Vanelslander (University of Antwerp, Belgium): Port innovation process analysis
4. Athena Roumboutsos (University of the Aegean, Greece): Actor interaction in port innovation
5. Gen Giuliano (University of South-California, USA): Cost effectiveness in port innovation
6. Alessio Tei / Prof. Claudio Ferrari (University of Genova, Switzerland): Port innovation in seaport terminals
7. Rosário Macário (University of Lisbon, Portugal): What to learn from other innovating sectors?
8. Panel debate on key challenges for port innovation

B5-SS1: Transport Modelling for Sustainable Logistics

Tuesday, 12 July: 3D 15:30-17:10

Room: NB109

Session Chair: Hanno Friedrich, KLU, Germany

1. Sustainable logistics and challenges for transport modelling - Lori Tavasszy (20 mins)
2. The circular economy in freight transport models – Sebastien Dente (30 mins)



C2b-SS1: The Present and Future of Traffic Signal Control – An International Perspective

Wednesday, 13 July: 4C & 4D 13:30-17:10

Room: ZHB410

Session Chair: TBC

C3-SS1: Big Data Applications and City Comprehensive Transportation Planning

Wednesday, 13 July: 4A 08:30-10:10

Room: ZHB508

Session Chair: Xue Meigen, Shanghai City Comprehensive Transportation Planning Institute, China

1. Comprehensive transport survey and city comprehensive transportation planning: Xue Meigen, SCCTPI, China
2. Construction for and Application of the Comprehensive Transport Information Platform: He Cheng, Shanghai Transport Information Center, China
3. Construction for and Application of the Transport Emission Control Platform: Expert in Shenzhen City transport planning Design Research Centre
4. Transport demand management and transport energy efficiency with emission reduction: GIZ expert
5. Roundtable: Chair: Mr. Xue

E1-SS1: High Speed Railway and its Economic Implications

Wednesday, 13 July: 4B 10:30-12:10

Room: NB115

Session Chair: Chaohe Rong, Beijing Jiaotong University, China

1. Chaohe Rong, Beijing Jiaotong University, China
2. Jian Zhao, Beijing Jiaotong University, China
3. Xiaoyan Lin, Beijing Jiaotong University, China
4. Wu Jianhong, Beijing Jiaotong University, China
5. Xuemei Li, Beijing Jiaotong University, China
6. Yaodong Zhou, Beijing Jiaotong University, China
7. Hongchang Li, Beijing Jiaotong University, China
8. Liancheng Li, Department of Transportation, National Development and Reform Commission, China
9. Xujuan Kuang, Civil Aviation Management Institute, China
10. Tao Yang, China Tibet Research Center, China
11. David Burns, Independent Railway Consultant, USA
12. Yongping Yang, China International Engineering Consulting Company, China



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E3-SS1: Capture Mechanisms in the Transport Sector

Wednesday, 13 July: 4B 10:30-12:10

Room: NB117

Session Chair: Marco Ponti, Politecnico di Milano University, Italy

1. Capture: the who, what, when and why (Marco Ponti and Francesco Ramella)
2. Appraisal as regulation (R. Vickerman)
3. The Los Angeles Rail and Busway System: A Public Choice Analysis (W. Cox)
4. Transport Infrastructures and capture mechanisms of public decision: French case studies (Y. Crozet)

F2-SS1: How Transport Can Deliver on the Paris Agreement on Climate Change

Tuesday, 12 July: 3A 08:30-10:10

Room: NB122

Session Chair: Cornie Huizenga, SLoCat

1. Global Roadmap for the de-carbonization of the transport sector. Cornie Huizenga, Partnership on Sustainable, Low Carbon Transport;
2. Overview of mitigation policies in the transport sector in China. Pan Haixiao, Tongji University, China;
3. To whom belongs the Public Urban Space? Herman Knoflachner, Vienna University of Technology, Austria
4. Policies and measures to accelerate the scaling up of electric mobility. Patrick Jochem, Karlsruhe Institute for Technology, Germany

G2-SS1: National and Regional Transport Planning and Policy – Inaugural Meeting

Tuesday, 12 July: GB 10:50-12:10

Room: ZHB410

Session Chairs: Guenter Emberger, Vienna University of Technology, Institute of Transportation, Austria / Takeru Shibayama, Vienna University of Technology, Institute of Transportation, Austria

1. Welcome
2. Introduction of objectives of SIG 2 - National and Regional Transport Planning and Policy
3. Introduction of members of SIG 2 - National and Regional Transport Planning and Policy
4. Brainstorming session of potential research topics
5. Discussion of potential future activities (meetings, workshops, conferences, publications,...)

G2-SS2: International Association of China Planning Special Session

Wednesday, 13 July: 4D 15:30-17:10

Room: ZHB402

Session Chair: TBC



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G4-SS1: Young People on the Move

Wednesday, 13 July: 4C 13:30-15:10

Room: ZHB404

Session Chair: Karen Lucas, Institute of Transport Studies, University of Leeds, UK

1. Chair's Introduction to the Session: Key Issues and Objectives (10 minutes)
2. Paper presentation 1: Key societal trends affecting young people's mobility's in UK – Karen Lucas, University of Leeds, UK (20 minutes)
3. Paper presentation 2: Life transitions and the mobility of Australian millennials” – Alexa Delbosc, Monash University, Australia (20 minutes)
4. Paper presentation 3: Young people's migration behavior in Japan: An analysis of joint behavioral changes across life domains – Junyi Zhang (20 minutes)
5. Open discussion of key issues and next steps (30 minutes)

G6-SS1: Indo-Norway Project "CLIMATRANS" - Climate Change Mitigation and Adaptation Strategies

Tuesday, 12 July: 3A 08:30-10:10

Room: ZHB406

Session Chairs: Farideh Ramjerdi, Institute of Transport Economics, Norway - Ashish Verma, Indian Institute of Science, India

G6-SS2: Managing Passenger Rail Disruptions

Monday, 11 July: 2B 10:50-12:10

Room: ZHB406

Session Chair: Graham Currie, Institute of Transport Studies Monash University, Australia

1. **Understanding passenger perceptions and behaviours during unplanned rail disruptions**
G. Currie^{1*}, C. Muir^{2,1}, ¹*Institute of Transport Studies, Monash University, Australia*, ²*Monash University Accident Research Centre, Australia* (10:50-11:10)
2. **Analysing the resilience of metro systems under consideration of interdependencies: A combined Dynamic Bayesian Network and network flow approach**
N. Goldbeck^{1*}, P. Angeloudis¹, W.Y. Ochieng¹, ¹*Imperial College London, UK* (11:10-11:30)
3. **International best practices in managing unplanned disruption to suburban rail services**
D. Piner^{1*}, B. Condry¹, ¹*Imperial College London, UK* (11:30-11:50)
4. **Coordinated transit response planning and operations support tool for mitigating impacts of all-hazard emergency events**
J.A. Auld^{1*}, V. Sokolov¹, H. Ley¹, ¹*Argonne National Laboratory, USA* (11:50-12:10)



H3-SS1: Project "Indo-HCM" - Development of Indian Highway Capacity Manual

Wednesday, 13 July: 4A 08:30-10:10

Room: NB208

Session Chair: Satish Chandra, Director, CSIR - CRRI, India.

Development of Indian Highway Capacity Model (*Indo-HCM*)

1. WP-1: Capacity Estimation of Two Lane, Intermediate and Single Lane Roads
2. WP-2: Capacity Estimation of Multi-lane Inter - Urban Highways
3. WP-3: Capacity Estimation of Inter - Urban and Urban Expressways
4. WP-4: Capacity Estimation of Varying Widths of Urban Roads
5. WP-5A: Capacity Estimation of Signalized Intersections
6. WP-5B: Capacity Estimation of Roundabouts
7. WP-6: Capacity Estimation of Unsignalized Intersections and Gap Acceptance Studies
8. WP7: Capacity Estimation of Pedestrian Facility
9. WP-9: Development of Reliability as a Performance Measure for inter-urban as well as urban corridors

Development and Applications of Technologies for Sustainable Transportation (*SUSTRANS*)

1. WP-1: Quality Enhancement of Public Transport System
2. WP-2: Feeder Transport System and Parking Facilities at Public Transport (PT) Terminals
3. WP-3: Advanced Public Transport Information Systems and Integrated Intelligent Dynamic Information System
4. using Intelligent Transport System
5. WP-4: Design and develop Advanced Driving Simulator
6. WP-5: Sustainable Non-Motorized Transport System
7. WP-6: Policy Level Sustainable Strategies to restrict usage of private vehicles (Congestion Pricing, Parking Pricing)
8. WP-7: Sustainable Integration of Mass Transportation System
9. WP-8: Evaluation of Sustainable Transportation System (environment, social, safety and economy)

H5-SS1: Integrated Land Use Transport Modelling in Developing Countries: Opportunities, Challenges and Initiatives

Thursday, 14 July: 5A 08:30-11:10

Room: NB210

Session Chair: Zhong Ming, Intelligent Transportation Systems Research Center, Wuhan University of Technology, National Engineering Research Center for Water Transport Safety, China

1. Integrated land use/transport modelling, experience and challenges
2. Land use/Transport Model in Wuhan, Shanghai
3. Land use/transport model in UK
4. Land use and Public transport demand in developing countries



Special Sessions: Partner Organization Joint Hosting and Universal Topics

SST-01: Rail Education and Training
Tuesday, 12 July: 3D 15:30-17:10 Room: ZHB406
Session Chair: Marin Marinov, New Rail, UK
<ol style="list-style-type: none">1. Welcome;2. Rail Education policy and practice;3. What is a skilled and motivated workforce;4. Innovation in teaching and learning – research based methods;5. Rail Talents and public engagement;6. Potential for joint ventures in rail education and training
SST-02: How to Get Published in Scientific Journals
Monday, 11 July: 2B 10:50-12:10 Room: ZHB205
Session Chair: Chris Pringle, Elsevier Ltd, UK
SST-03: Funding and Financing of Transport Infrastructure
Wednesday, 13 July: 4A 08:30-10:10 Room: ZHB406
Session Chair: Yves Crozet, Laboratoire Aménagement Economie Transports (LAET), France
Round-Table <ol style="list-style-type: none">1. Policy Maker Concerns (Rosario Macario, IST, Portugal)2. Lessons learned with respect to the funding and financing of transport infrastructure: which factors are important (Thierry Vanelslander, University of Antwerp, Belgium)3. Resilience to economic crisis: which factors support robustness (Goran Mladenovic, University of Belgrade, Serbia)4. The System of Transport Infrastructure Delivery (Aris Pantelias, UCL, UK)5. Project rating (Athena Roumboutsos, University of the Aegean, Greece)6. Scenarios in transport infrastructure delivery (Hans Voordijk, University of Twente, The Netherlands)



SST-04: Transport Research Governance, Private Sector Involvement, and Research Implementation Issues with Focus on the Asia – Pacific Region

Monday, 11 July: 2C 13:30-15:10

Room: ZHB405

Session Chair: George A. Giannopoulos, TRB Int'l Cooperation Committee, Greece

1. Scope, objectives, and first findings of the TRB/ICC, ICTRI working group on international transport research cooperation with focus on the Asia-Pacific region, Angel Aparicio, UPM Madrid, Spain (10 mins)
2. Transport research in Japan, Shintaro Terabe, Tokyo University of Science, Department of Civil Engineering, Japan(15 mins)
3. ITS research in China, Jizhen Guan, Deputy Secretary-General of ITS China, China (10 mins)
4. Transport systems research in China, Yanyan Chen, Vice Dean College of Metropolitan Transportation, Beijing University of Technology, China (10 mins)
5. Transport research in Korea, Young-Jun Moon Chief Director of Transport Technology Research Group, The Korea Transport Institute - KOTI, Korea (15 mins).

Panel Members:

1. Shinya HANAOKA, Department of Transdisciplinary Science and Engineering School of Environment and Society Tokyo Institute of Technology, Japan.
2. Jaehak Oh, KOTI research Institute, Korea.
3. Yoshitsugu Hayashi, WCTRS President and Professor, Chubu University, Japan.
4. Jizhen Guan, Deputy Secretary-General of ITS China, China
5. Jorge Prozzi, University of Texas, USA

SST-05: WCTRS PhD Students' Grants (Y-II Ed 2) Session

Monday, 11 July: 2D 15:30-17:10

Room: ZHB405

Session Chair: Yoshi Hayashi, WCTRS President

1. Opening Talk: Session Chair, Yoshi Hayashi, WCTRS President, Chubu University, Japan. (5 min).
2. Brief on WCTRS Young Researchers' Initiative (WCTRS-Y): Ali Huzayyin, member of WCTRS Steering Committee and Leader of WCTRS-Y, Cairo University, Egypt. (5 min).
3. Innovation Grant Paper: "Critical issues in estimating human exposure to traffic-related air pollution: advancing the assessment of road vehicle emissions estimates", Haneen Khreis, PhD Student, Institute for Transport Studies (ITS), Leeds University, UK. (20 min).
4. Prestige Grant Paper 1: "Revenue management in road freight transport: Capacity control and dynamic request integration under profit maximization", Hendrik Braun, PhD Student, the University of Western Australia Business School, Australia. (20 min).
5. Prestige Grant Paper 2: "Car technologies and their impact on climate – A system dynamics approach", Jonatan J. Gómez Vilcheza, PhD Student, Institute for Industrial Production and Research School on Energy Scenarios (ESS), Karlsruhe Institute of Technology (KIT), Germany. (20 min).
6. Prestige Grant Paper 3: "Transit signal priority model considering arterial progression and stochastic bus arrival time", Long Tien Truonga, PhD Student, Institute of Transport Studies, Monash University, Australia. (20 min).
7. Sum-up and Closing: Yoshi Hayashi, WCTRS President, Chubu University, Japan (10 min)



SST-07: CODATU to HABITAT-III: Implications for Research for Better Accessibility and Mobility in the Field of Urban Mobility and Transport in Developing Countries

Tuesday, 12 July: 3A 08:30-10:10

Room: ZHB405

Session Chair: Kazu Miyamoto, Tokyo City University, Japan

1. Ali Huzayyin, University of Cairo, CODATU – Messages from CODATU to HABITAT-III: Immediate needs (15 min)
2. Tony May, University of Leeds, CODATU – National Urban Mobility Policies to implement the CODATU message to Habitat-III (15 min)
3. Krishna Rao, Institute of Technology in Bombay, India – From national policies to Comprehensive Mobility Plans in India (15 min)
4. Lorenza Tomasoni, CODATU – MobiliseYourCity (MYC) for better urban accessibility, CODATU contribution (15 min)
5. Open Discussions (30 min)
6. Kazu Miyamoto, Tokyo City University, Japan - Sum up and closing (5 min)

SST-08: Transportation Innovation in the No.1 Congested Chinese city – Hangzhou

Wednesday, 13 July: 4D 15:30-17:10

Room: ZHB406

Session Chair: Jianjun Yang, Zhejiang University Urban-Rural Planning and Design Institute

1. Hangzhou public transport evaluation standard and bus service improvement , Kan Gu, Hangzhou City Traffic Planning and Design Institute, China
2. Evaluation of rail transit planning and the development of urban space in Hangzhou, Feng Wang, Transportation & Metro Planning at Hangzhou City Planning and Design Academy, China
3. Development and utility of public bicycles in Hangzhou, Liqiang Zhang, Hangzhou GST Tech Co., Ltd, China
4. Left-middle-right micro electric buses and its development in Hangzhou, Xiaoming Hu, Kandi Electric Vehicles Group, China
5. The development and future trends of network car platform”(TBD), Alibaba or Didi fast car
6. Roundtable , Chair: Dianhai Wang, Ph.D, Zhejiang University, China



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SST-11: Shared Urban Mobility Solutions for a Livable City (ITF Joint Session)

Wednesday, 13 July: 4C 13:30-15:30

Room: ZHB405

Session Chair: Yoshitsugu Hayashi, WCTRS President & Chubu University, Japan

Starting with a presentation of the recent ITF work and results in this area by José Viegas (30 minutes), discussion with a panel of experts on the issues of public and political acceptance (travel comfort and convenience, accessibility, safety, price, impact on urban public space quality), on the viability of its application for large cities and on the transition mechanisms.

Presentation: José Viegas, Secretary General, International Transport Forum

Panel Discussion:

1. Professor Tony May (University of Leeds, UK)
2. Manfred Boltze (Technical University Darmstadt, Germany)
3. Haixiao Pan (Tongji University, China)
4. Grazia Speranza (University of Brescia, former President of the European Association of Operations Research, Italy)

SST-12: 15e Séminaire Francophone Est-ouest de Socio-Économie des Transports

Monday, 11 & Tuesday, 12 July

Room: Sino-French building zone C, n° 301

Session Chair: Gérard Brun, MEEM, Paris-La défense, France

SST-13: Research with an Impact on Policy-Making

Tuesday, 12 July: 3B 10:30-12:10

Room: ZHB405

Session Chair: Stephen Perkins, ITF

1. Jose Viegas, International Transport Forum: Big data and regulation of urban mobility
2. Peter Jones: Planning urban streets.
3. Dan Graham: Accounting for Wider Economic Benefits in Urban Investment Decisions and Urban Rail Performance Benchmarking
4. Yves Crozet: Tolled motorways and rail access charges in France: A legacy of economic thought
5. Stephen Perkins, ITF: Rail regulation.



SST-14: Rural Transport and Sustainable Development Goals, SDGs (SLoCat Joint Session)

Tuesday, 12 July: 3D 15:30-17:10

Room: ZHB405

Session Chair: Cornie Huizenga, SLoCat

Panelists:

1. Niklas Seiber, Independent Rural Transport Expert
2. Jose Luis Irigoyen, World Bank, USA
3. Xiaoke Zhuai, World Bank, USA

SST-15: Jules Dupuit: Secret Origins of Modern Transportation Science

Tuesday, 12 July: 15:30-18:00

Room: 401 Block C in the Sino-French Building

Session Chair: TBC

15.30-15.35	Introduction: Werner Rothengatter, KIT, Germany
15.35-15.50	Historical Facts of Works of French Engineers in the Middle of the 19 th Century: Hideo Nakamura
15.50-16.05	Economic and Political Calculus in Transportation: From Jules Dupuit to Maurice Allais: Alain Bonnafous, Laboratoire d'Economie des Transports, France and Yves Crozet, Laboratoire Aménagement Economie Transports (LAET), France
16.05-16.20	Jules Dupuit and Benefit-Cost Analysis: Making Past to be the Present: Antti Talvitie, Aalto University, Finland
16.20-16.30	Comments: Charles Raux, Universite de Lyon II, France, Tony May, University of Leeds, UK
16.30-16.45	Discussion
16.45-17.00	Multi-moment demand for trip duration and Reliability: Marc Gaudry (presented by A. Bonnafous Laboratoire d'Economie des Transports, France)
17.00-17.15	Competitive Impact of the Air Ticket Levy on The European Airline Market: Marc Ivaldi, Toulouse School of Economics, France and Tuba Toru-Delibasi
17.15-17.30	Mr. Dupuit and the Marginalists: Werner Rothengatter, KIT, Germany
17.30-17.35	Comments: Roger Vickerman, University of Kent, UK
17.35-17.50	Discussion
17.50-18.00	Ramboll Presentation
18.00-18.05	Closing Remarks: Alain Bonnafous, Laboratoire d'Economie des Transports, France



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SST-16: International Association of China Planning Special Session

Wednesday, 13 July: 4B 10:30-12:10

Room: ZHB406

Session Chair: Qisheng Pan, International Association of China Planning, China

1. Jiangping Zhou, University of Queensland, Australia: Smartcard Data, Bus Commuting and Policy Scenarios: A case study of Beijing
2. Jason Cao, University of Minnesota, USA: Disentangling the Impacts of LRT, Neighborhood Design, and Self-Selection on Auto Use in Minneapolis
3. Zhong-Ren Peng, University of Florida, USA : Roadside air pollution monitoring and modelling
4. Qisheng Pan, Texas Southern University, USA: The Impacts of Light Rail in a Non-zoning City: A New Test on the Houston METRORail Transit Line



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SST-17: Cooperating with the European Union

Thursday, 14 July: 5A 08:30-10:10

Room: ZHB406

Session Chair: Frank Smit, European Commission

1. General context
2. A short introduction to Horizon 2020 and its International Cooperation;
3. Concrete cases
4. The twinning instrument in the context of the EU/US Implementing Arrangement
5. The ERA-NET+ instrument: the example of INFRAVATION (surface transport)
6. The coordinated call instrument: the example of EU-Japan cooperation in aeronautics
7. A flavour of future International Cooperation in the Work Programme 2018 - 2020 of Horizon 2020
8. Panel discussion
9. The benefits of International Cooperation with the European Union?