List of SITCE’s keynote speakers

Plenary session 1: Setting the scene. What is at stake?

How to solve individual mobility needs and steer a sustainable mobility market? Rather than selling railway tickets?
Dr. Michael LICHTENEGGER, Senior Strategist, Upstream - next level mobility GmbH, Austria

Governance and regulatory framework for urban rail – In search of effectiveness
Morris CHEUNG, President, MTR Academy, Hong Kong S.A.R

Future rail-based transit in an AV age - Learnings from the past and governance challenges for a civil society
Arnd BAETZNER, Member of the Board of Directors, Mobility CarSharing Cooperative, Switzerland

Parallel session 1: Full automatic operation today, autonomous trains tomorrow?

Keynote Speech
Beyond Automation: benefits and challenges of autonomous metro
Dr Ahmed Miske EL HADRAMI, Technical Director and Senior Design Authority, Thales Transportation, France

Parallel session 2: Condition-based infrastructure maintenance

SCADA, drones and new maintenance techniques: What 6 metros are doing? How do they prepare?
Ignasi OLIVER, Director Maintenance Superstructures, TMB, Fc Metropolità de Barcelona, Spain

How BIM will revolutionise fixed asset maintenance
Francisco SÉCIO, Consultant and Ex Infrastructure Director, ex. Metropolitano de Lisboa, Portugal

Big data and IoT for smarter fixed asset maintenance and optimised ROI
Pierre GOSSET, CTO of the Group SYSTRA, SYSTRA, France
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<th>Parallel session 3: Mobility as a service/MaaS: New grail? Fad? Paradigm shift?</th>
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<td><strong>The role of rail in a MaaS ecosystem</strong></td>
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<td>Alexandre SAVARD, Senior Manager, GIRO Inc., Canada</td>
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<td><strong>Boosting travel experience and operation excellence with big data</strong></td>
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<td>Geert VANBEVEREN, Sales Director, Siemens AG, Germany</td>
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<td><strong>A model to rate “Mobility as a service” apps</strong></td>
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<td>Andy TAYLOR, Strategy Director, Cubic Transportation Systems, United States of America</td>
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<td><strong>European New Electric Scooter Sharing Model</strong></td>
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<td>Bertrand Fleurose, Founder &amp; CEO, cityScoot, France</td>
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<th>Parallel session 4: LRT, when rail meets the city</th>
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<td><strong>What digitalisation brings to Light Rail passengers and operators</strong></td>
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<td>Christoph KLAES, Head of Siemens Light Rail Vehicles, Siemens AG, Germany</td>
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<td><strong>Digitalisation, a way to improve urban rail and ensure sustainable quality of life in Cologne</strong></td>
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<td>Christian BURK, Division Manager - Urban Railway Infrastructure, Kölner Verkehrs-Betriebe AG (KVB), Germany</td>
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<td><strong>Designing tram tracks using BIM technology</strong></td>
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<td>Alexander POLYAKOV, Director, sue Mosgortransniproekt, Russian Federation</td>
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<th>Parallel session 5: Safety remains priority #1 in digital era</th>
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<td><strong>50 years of safety-related human factors with increased automation in Paris</strong></td>
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<td>Gautier BRODEO, Urban Rail Expert/Senior Advisor in Railway Safety, RATP, France</td>
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<td><strong>Turning abandoned underground assets for training purposes</strong></td>
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<td>Dr Carles CASAS ESPLUGAS, Head of Strategic Planning &amp; Prospective, Ferrocarrils de la Generalitat de Catalunya, FGC, Spain</td>
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<td><strong>Fast detection and intervention with advanced security solution</strong></td>
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<td>Alexis CHAVELAS, VP Digital Platform, Alstom, France</td>
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<td><strong>Applying Innovation in Railway Safety</strong></td>
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<td>CF Chan, Assistant Director/Railways, Electrical and Mechanical Services Department of Hong Kong Government, Hong Kong S.A.R</td>
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### Parallel session 6: Customer Service 2.0, 3.0 or 4.0... what matters is excellence

**Rail Gen 2.0: a New Customer Experience**  
Annie LEUNG, General Manager - Customer Experience Development, MTR Corporation Limited, Hong Kong S.A.R

Driving Customer service quality and employee empowerment in the digital-age  
Yukiko KIMISHIMA, Manager, East Japan Railway Company, Japan

**SMRT Commuter Engagement – Making Commuting More Joyful and Inclusive**  
Elaine KOH, Chief Commuter Engagement Officer, SMRT Corporation, Singapore

### Parallel session 7: Looking into the most precious asset: Human resources, talent, skills and generation challenges

**Keynote Speech**  
Digitalization and employee experience  
Mireia CLUA, HR Director, TMB - Metro Barcelona, Spain

### Parallel session 8: Condition-based rolling stock maintenance

**Automatic Vehicle Inspection System (AVIS) at rail depot**  
Jun HUANG, Deputy Project Manager, Land Transport Authority, Singapore

**Singapore Journey to 1 Million MKBF: Better rail reliability through strategy formulation, automation and technology adoption**  
Dr TAN Tong Tat, Engineering Manager, SBS Transit, Singapore

**Maximising Value through Integrated Asset Condition Data**  
Jack WIELAND, Service Lead - Southeast Asia, Bombardier Transportation

**Application of Prognostic Health Management (PHM) Technology in Subway Train**  
YANG Ying, Deputy Chief Engineer, CRRC Zhuzhou Electric Locomotive Co. Ltd. (CRRC ZELC), China

### Parallel session 9: Innovative infrastructure construction

**Development of TEMS - Tunnelling and Excavation Monitoring System**  
Dr GOH Kok Hun, Deputy Director, Geotechnical and Tunnels Division, Land Transport Authority, Singapore

**Use of Trenchless Technologies and Methods in Singapore’s Thomson-East Coast Line MRT Construction**  
FOO Yung Thye, Deputy Group Director, Thomson-East Coast & Cross Island Lines (Civil), Land Transport Authority, Singapore

**Construction, machine manufacture and project cases of large-diameter shield machine**  
Wang KUN, Director of Board, China Railway Tunnel Group Co., Ltd, China
Parallel session 10: The benefits of digitalisation for rail security - and its (cyber)-challenges

Smart video for railways: the advent of Artificial Intelligence
Stéphanie JOUDRIER, Product Line Manager, Thales, France

Railway Systems - How to deal with cyber threats?
PUSHPARATNAM Lovan, Telecom Department Director (Corporate), SYSTRA, France

Keeping railway system one step ahead of potential cyber attacks
CHAN Ho Wing, Communications & Control Engineering Manager, MTR Corporation Limited, Hong Kong S.A.R

Fostering a cybersecurity mindset
LIM Thian Chin, Deputy Director, Head of CII Protection, Critical Information Infrastructure Division, Cyber Security Agency of Singapore, Singapore

Parallel session 11: Singapore rail expertise

Innovative construction
OW Chun Nam, Director Tunnelling, Land Transport Authority, Singapore

Holistic approach to asset replacement
Melvyn THONG, Director, Land Transport Authority, Singapore

Implementation of an Automatic Track Inspection (ATI) System in an Operational Environment
LIM Zheng Ping, Executive Engineer, Land Transport Authority, Singapore

Improving Rail Asset Performance - Leveraging on Asset Management, Technology and Information
LEOW Meng Fai, Deputy Group Director, Land Transport Authority, Singapore

Parallel session 12: Making rail even more energy-efficient

Exploring all possibilities for energy savings at Metro São Paulo
Glauco FERNANDES LOPES, Engineer Head of Maintenance Department, Company of Metro Sao Paulo, Brazil

New battery solutions for railway systems
Nobuhiko SATAKE, Chief Specialist, Toshiba Infrastructure Systems & Solutions Corporation, Japan

Energy Recovery at Wiener Linien - a Valuable Contribution to Climate Protection
Günther STEINBAUER, CEO, Wiener Linien, Austria

The energy saving technology study based on flexible train formation for urban rail transit
HAN Baoming, Professor of Beijing Jiaotong University, Secretary General of the Expert & Academic Committee, China Association of Metros, China
Parallel session 13: Operators’ experience in digital transformation

Digital transformation of Seoul Metro
CHUNG Hang Jae, General Manager of Rolling Stock Planning Dept of Seoul Metro, Seoul Metro, South Korea

Customer-centric challenges of digital technologies for railways
Satoru KITAMURA, Chief Researcher, East Japan Railway Company, Japan

OPERACENTER® - A performance and satisfaction monitoring tool
Mehmet Burak TELCIOGLU, Rail System Operations Manager, Kayseri Ulasim, Turkey

Parallel session 14: Obsolescence management and rolling stock life extension

Capitalising on Special Ruggerdised Platform Maintenance Capability for Rolling Stock eCard Obsolescence Management
Andrew DE SILVA, Dy GM/VP Business Development, SDDA Pte Ltd, Singapore

How to Extend the Lifecycle of Rolling Stock?
Ying-Chen CHUANG, Director, Taipei Rapid Transit Corporation, Taiwan

Challenges and Solutions for Re-signalling a CBTC WLAN radio System
Calvin CHUKO, Product Manager, Moxa Inc., Taiwan

Parallel session 15: Artificial Intelligence in urban rail sector

Artificial Intelligence in Mass Public Transport
Gayang HO, Senior Manager UITP Asia-Pacific; Research & Policy Development Lead, UITP AP CTE, Hong Kong S.A.R

Parallel session 16: Impact of Railway on Regional Connectivity and Economy

Railways and its interfaces to the city and the local mobility system
Jean-Pierre LOUBINOUX, Director General, UIC (International Union of Railways), France

Title to be confirmed
TC CHEW, Director Global Rail Business Leader, Arup, United Kingdom

Title to be confirmed
CHEN Ho, Vice Director Engineering Design Center, TCT Co. Ltd, Beijing, China

Parallel session 17: Life-cycle asset management for better availability at optimised cost

Leveraging the digital transformation for risk-based maintenance and asset management
Prof Pierre DERSIN, PHM Director, Alstom, France
Denver Transit Operators’ integrated transit operations planning system
Michael SCOLLO, Industry Solutions Manager, Trapeze Group, Australia

Enterprise Asset Management System (EAMS) for modern integrated metro
NG Liang Chin, MMS Division Manager, Singapore Technologies Electronics Limited, Singapore

Parallel session 18: When data adds value to your service delivery

ICT help raise passenger convenience in railways
Sei SAKAIRI, Senior Chief Researcher, East Japan Railway Company, Japan

Total System Capability through Digitisation - Organisation, Assets & People
Kuldeep GHARATYA, Head of Engineering Technology & Data, Commercial Development, City Planning, Transport for London, United Kingdom

Better service through smart use of data across project design, implementation and operation
Christina HOLTTHANNSPÖTTER, Head of Digitalization Mass Transit, Siemens AG Mobility, Germany

Better Rush-hour operation with Effective Guidance of passenger flows
Suvi SCHWAB, Regional Manager, INIT, Singapore