

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 Metropolitana 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*

Parallel session 3: Mobility as a service/MaaS: New grail? Fad? Paradigm shift?

The role of rail in a MaaS ecosystem

Alexandre SAVARD, *Senior Manager, GIRO Inc., Canada*

Boosting travel experience and operation excellence with big data

Geert VANBEVEREN, *Sales Director, Siemens AG, Germany*

A model to rate “Mobility as a service” apps

Andy TAYLOR, *Strategy Director, Cubic Transportation Systems, United States of America*

European New Electric Scooter Sharing Model

Bertrand Fleurose, *Founder & CEO, cityScoot, France*

Parallel session 4: LRT, when rail meets the city

What digitalisation brings to Light Rail passengers and operators

Christoph KLAES, *Head of Siemens Light Rail Vehicles, Siemens AG, Germany*

Digitalisation, a way to improve urban rail and ensure sustainable quality of life in Cologne

Christian BURK, *Division Manager - Urban Railway Infrastructure, Kölner Verkehrs-Betriebe AG (KVB), Germany*

Designing tram tracks using BIM technology

Alexander POLYAKOV, *Director, sue Mosgortransniiproekt, Russian Federation*

Parallel session 5: Safety remains priority #1 in digital era

50 years of safety-related human factors with increased automation in Paris

Gautier BRODEO, *Urban Rail Expert/Senior Advisor in Railway Safety, RATP, France*

Turning abandoned underground assets for training purposes

Dr Carles CASAS ESPLUGAS, *Head of Strategic Planning & Prospective, Ferrocarrils de la Generalitat de Catalunya, FGC, Spain*

Fast detection and intervention with advanced security solution

Alexis CHAVELAS, *VP Digital Platform, Alstom, France*

Applying Innovation in Railway Safety

CF Chan, *Assistant Director/Railways, Electrical and Mechanical Services Department of Hong Kong Government, Hong Kong S.A.R*

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 Ruggedised 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 HOLTMANNSPÖTTER, *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*