



CELEBRATING 20 YEARS

# **Asia Pacific Rail 2018**

**20-21 March 2018**

**Hong Kong Convention & Exhibition Centre**

**Plenary Theatre, On-Floor Seminar Theatres & Exhibition – Hall 3FG, Level 3**

**Premium Conferences 2, 3 & 4 – Meeting Rooms S428, 427 & 426, Level 4**



## AGENDA AT A GLANCE

DAY ONE (Tuesday, 20 <sup>th</sup> March 2018)			
Opening Keynote Plenary: Rail Leadership			
Exhibition Visit & Networking Refreshments			
Metro Project Updates	Signalling & Communications	Asset Management & Rolling Stock	Rail Freight
Southeast Asia	Latest Technologies in Signalling	Innovation in Asset Management	Modernisation of Freight Corridors
Networking Lunch & Exhibition Visit			
China	Rail Systems & Communications	Asset Renewal	Rail Freight Efficiency
India		Rolling Stock	Rail Freight Leaders Panel
Exhibition Visit & Networking Refreshments			
Keynote Plenary			
Networking Drinks Reception			

DAY TWO (Wednesday, 21 <sup>st</sup> March 2018)			
Keynote Plenary			
Exhibition Visit & Networking Refreshments			
Operations & Maintenance	Signalling & Communications	Passenger Experience & Safety, Light Rail	High Speed Rail
Operational Efficiency	Resignalling Best Practices	Smart Passenger Experience	New High Speed Rail Corridors
Networking Lunch & Exhibition Visit			
Latest Technologies & Best Practices in O&M	Signalling	Safety & Emergency Preparedness	High Speed Rail Sustainability
	Communications Security	Light Rail	
Close of Asia Pacific Rail 2018			

## **CONFIRMED SPEAKERS FOR 2018 INCLUDE:**

1. **Jay Jenkins**, Product Manager, ABB Ability Connected Asset Lifecycle Management, **ABB**
2. **Syahrudin Sofyan**, Design, Civil Engineering & Trackwork Manager, LRT Department, **Adhi Karya**
3. **Perran Coak**, Technical Director, Transportation, **AECOM**
4. **Dr. Jimmy Hui**, Technical Director, **AECOM**
5. **Alexis Chavelas**, VP Digital Mobility Platform, **Alstom**
6. **Scott Hyman**, Senior Vice President, **ARES Project Management LLC**
7. **Jason Hutchings**, Senior Design Director, **Atkins**
8. **George Ramsbottom**, Director, **Atkins**
9. **Jason Wong**, CEO Asia, **Axon Vibe**
10. **Lakthan Thongnopakoon**, Assistant Managing Director, Project Management & Development Group, **Bangkok Expressway and Metro Public Company Limited**
11. **Kitipat Supakleelakul**, Engineering and Maintenance Director, **Bangkok Expressway and Metro Public Company Limited**
12. **Mike Wilkinson**, Asia Pacific General Manager, **Bechtel Corporation**
13. **Cao Hong Sheng**, Chief Engineer, Signalling, **Beijing Metro**
14. **Juergen Maier-Gyomlay**, Head of International Affairs and Projects, **BLS Cargo AG**
15. **Craig Winfrey**, Head of Services, Southeast Asia, **Bombardier**
16. **Sung Hung Kung**, Chief of Section, **Bureau of High Speed Rail, MOTC**
17. **Chung Wei-Li**, Chief Engineer, **Bureau of High Speed Rail, MOTC**
18. **Greg Yager**, Senior Vice-President, **CallisonRTKL**
19. **Sujatha Jayaraj**, Director (Finance), **Chennai Metro**
20. **Gene Soo**, General Manager – Hong Kong, **Citymapper**
21. **Dr Antoni Chan**, Associate Professor, **City University of Hong Kong**
22. **Dr Peter Tse**, Associate Professor, **City University of Hong Kong**
23. **Dr Yimin Yu**, Assistant Professor, **City University of Hong Kong**
24. **Dr Dong Wang**, Postdoctoral Fellow, **City University of Hong Kong**
25. **Dr Yang Zhao**, Scientific Officer, **City University of Hong Kong**
26. **Ashwani Kumar**, Chief Engineer (Track), **Delhi Metro Rail Corporation**
27. **Liu Chiu Liang**, Director of Systemwide E&M Project Office, **Department of Rapid Transit Systems, Taipei City Government**
28. **Rolf Härdi**, CTO, **Deutsche Bahn AG**
29. **Takeshi Mitsui**, Director Singapore Office, **East Japan Railway Company**
30. **KF Fung**, Chief Engineer/Railways, **Electrical and Mechanical Services Department (EMSD), Government of Hong Kong SAR**
31. **Koen Soenens**, Business Development Director, **FLIR ITS**
32. **Michele Barbagli**, Area Sales Manager Rail Systems, **FOGTEC Brandschutz GmbH & Co. KG**
33. **Thomas H. Dorfner**, Vice President Sales, **Getzner Werkstoffe GmbH**
34. **Norman Frisch**, Chairman of the eLTE Industry Alliance, Marketing Director, Enterprise Business Group and Transport Sector, **Huawei Technologies Co., Ltd**
35. **Liu Heung Ling**, Senior Industry Solutions Manager, Enterprise Business Group and Transport Sector, **Huawei Technologies Co., Ltd**
36. **Wang Xiaoqiang**, Transportation Solution Director, Huawei Southern Pacific region, **Huawei Technologies Co., Ltd, Huawei Technologies Co., Ltd**
37. **Prof Lee Kang Kuen**, Professor of Transportation Practice, Department of Electrical Engineering, **Hong Kong Polytechnic University**
38. **Dr. Michael Liu**, Senior Scientific Officer, **Hong Kong Polytechnic University**
39. **Vivek Mohan**, Director, Mechanical Engineering (Freight), **Indian Railways**
40. **Hermanto Dwiatmoko**, Chairman, **Indonesian Railway Society (MASKA)**
41. **Paul Gwynn**, Managing Director, **INIT Asia-Pacific Pte Ltd**
42. **Koji Nishimura**, General Manager, Overseas Business Office, Railway Business Headquarters, **Japan Freight Railway Company**
43. **Fredi Firmansyah**, Technical Director, **Kereta Commuter Indonesia**
44. **CS Chang**, Chairman & Director, **Key Direction Limited**
45. **Nikhil Swami**, Executive Engineer (S&T), **Kolkata Metro Rail Corporation**
46. **Lee Min Seok**, Head, Beijing Office, **Korea Railroad Corp. (KORAIL)**
47. **Ismail Said**, General Manager, Project Management, **KTMB**
48. **Kholel Manaf**, General Manager, Fleet Maintenance & Engineering, **KTMB**
49. **Yuslizar Daud**, Head of Rail Division, **Land Public Transport Commission (SPAD)**
50. **Zakaria Md Tap**, Head, Transit Acquirer Division, **Land Public Transport Commission (SPAD)**
51. **Chua Chong Kheng**, Deputy Chief Executive, Infrastructure & Development, **Land Transport Authority**
52. **Dr. Samuel Chan**, Deputy Group Director, Rail/Road Systems Engineering & Chief Systems Specialist, **Land Transport Authority**
53. **Silvester Prakasam**, Senior Advisor, Fare System, **Land Transport Authority**
54. **Kelvin Li**, Director, **Leigh & Orange**
55. **Flavio Gerber**, Key Account Manager, **LEONI BU Transportation**
56. **Randy Sac**, Head – Information Management & Technology, **Light Rail Manila Corporation**
57. **Carolyn Garduce**, Division Manager, AFCS Revenue Reconciliation & Settlement, **Light Rail Transit Authority**
58. **Santosh Bhat**, CEO & Co-Founder, **Linear Project Software Pty Ltd**
59. **Elvis Kozica**, International Sales Manager, **LINSINGER Austria**
60. **Ashish Sanghi**, Addl. CPM (Telecom), **Maharashtra Metro Rail Corporation**
61. **Dr. Somprasong Suttayamully**, Director, Fare Media Office, **Mass Rapid Transit Authority of Thailand**
62. **Sahadev Singh Rathi**, Director, Project & Planning, **MEGA Co. Ltd**
63. **Amit Gupta**, General Manager, Corporate Planning, **MEGA Co. Ltd**
64. **Dr. Pichet Kunadhamraks**, Director, Bureau of Rail System Development Office, Office of Transport and Traffic Policy and Planning, **Ministry of Transport Thailand**
65. **Dr. Padet Praditphet**, Director, Common Ticketing Office, Office of Transport & Traffic Policy & Planning (OTP), **Ministry of Transport Thailand**
66. **Roland Chan**, Rail Architect, **MOXA Inc**
67. **Calvin Chuko**, Product Manager, **MOXA Inc**
68. **Ouk Sota**, Deputy Director of Railways, **Ministry of Public Works and Transport**
69. **Ofelia Astrera**, Chief, Technical Training/AFCS Office/IT Section, **Department of Transportation - Metro Rail Transit 3 (DOTr-MRT3)**
70. **Giacomo Biggiero**, Head of Business Development & Partnership – Asia, **Masabi**
71. **Yanto Yulianto**, Head of Signaling, Telecommunication & IT Department, **MRT Jakarta**
72. **Lincoln Leong**, Chief Executive Officer, **MTR Corporation**
73. **Dr. Jacob Kam**, Managing Director – Operations & Mainland Business, **MTR Corporation**
74. **Adi Lau**, Operations Director, **MTR Corporation**
75. **Dr. Philco Wong**, Projects Director, **MTR Corporation**
76. **Dr. Tony Lee**, Chief of Operations Engineering, **MTR Corporation**

77. **Wilson Shao**, General Manager – Beijing & Tianjin, China & International Business, **MTR Corporation**
78. **KH Lee**, Head of Workshops, Rolling Stock Maintenance Department, **MTR Corporation**
79. **Andrew Mead**, Chief Architect, **MTR Corporation**
80. **Dr. Lawrence Lee**, Senior Construction Engineer, **MTR Corporation**
81. **Philip Wong**, Chief Signal Engineer (Operations), **MTR Corporation**
82. **Stanley Wong**, Permanent Way Integrity Manager, **MTR Corporation**
83. **Eric Yeung**, AFC & SAMS Engineering Manager, **MTR Corporation**
84. **Gordon Lam**, Project Manager – Signalling (DUAT), **MTR Corporation**
85. **Nyi Nyi Swe**, Deputy General Manager (Planning), Administration & Planning Department, **Myanmar Railways**
86. **Annafi Zulkifli**, Director of Corporate Strategy, **MyHSR Corporation**
87. **Rajiv Datt**, Senior Advisor, **National Capital Region Transport Corporation (NCRTC)**
88. **C.C Chang**, Committee Member, **New Taipei City Light Rail System**; Professor, Department of Transportation & Logistics Management, **Chung Hua University**
89. **Zhu Bin**, General Manager, **Nanjing Metro Group**
90. **Andy Yip**, General Manager – International Business, **Octopus Holdings**
91. **Leong Yew Chiong**, Senior Solution Architect, **Orange Business Services Singapore**
92. **Parthiban Narayanan**, Sales Director APAC, **OTN Systems**
93. **Tony Ward**, Sales Manager – AUS/NZ & SE Asia, **Perpetuum**
94. **Ahmad Nizam Mohamed Amin**, Chief Infra Services Officer, **Prasarana**
95. **Rachman Suhanda**, General Manager & Design Manager, **PT Kereta Cepat Indonesia China (KCIC)**
96. **Jeroen Weimar**, Chief Executive Officer, **Public Transport Victoria**
97. **Len Neist**, Chief Engineer, **Public Transport Victoria**
98. **Ofer Nagar**, General Manager, North Asia, Strategic Alliances, **RADWIN**
99. **Richard Anderson**, Managing Director, **Railway and Transport Strategy Centre, Imperial College London**
100. **Hajime Ito**, Assistant Senior Researcher, Rail Welding, **Track Technology Division, Railway Technical Research Institute**
101. **Hikaru Tanigawa**, Researcher, Track Structures and Geotechnology, **Track Technology Division, Railway Technical Research Institute**
102. **Abdul Mohsin Ibrahim Younes**, Chief Executive Officer, **Rail Agency, Roads and Transport Authority**
103. **Bukhari Mohamed**, Project Director, **Rapid Rail**
104. **Edgar Sée**, Project Director – Line 4 Automation, **RATP**
105. **Helmut Scholze**, Partner, **Roland Berger**
106. **Lim Thiam Siew**, Assistant Vice President, **SBS Transit DTL**
107. **Quek Chin Hock**, Assistant Vice-President (Rail Engineering) & Head of Permanent Way & CS Department, **SBS Transit DTL**
108. **Dr. Christoph Gramowski**, Director of R&D, **Schrey & Veit**
109. **Dr. Kim Tae-ho**, Chief Executive Officer, **Seoul Metro**
110. **Dr Weili Wang**, Lecturer, **Shanghai Maritime University**
111. **Ng Bor Kiat**, Chief Technology Officer & Senior Vice President, Future Systems, **SMRT Trains**
112. **Vincent Tan**, Recently retired Senior Vice-President – Rail Operations/International Engagement, **SMRT Trains**
113. **Dr. Chia Wee Lee**, Deputy Director, Rolling Stock Workshop, **SMRT Trains**
114. **Pierre Messulam**, Vice President, **SNCF Transilien**
115. **Philippe Lorand**, Director Asia, **SNCF**
116. **Professor Jian Ma**, Professor, **Southwest Jiaotong University**
117. **Jayantha Gunathilake**, Additional Secretary (Engg.), **Ministry of Higher Education and Highways, Sri Lanka & Consultant Engineer. Sri Lanka Railway**
118. **Voravuth Mala**, Deputy Governor of Property Management Business Cluster, **State Railway of Thailand**
119. **Stewart Mills**, Executive Director – Engineering and Maintenance, **Sydney Trains**
120. **Andrew McNaughton**, Chief Operating Officer, **Systra**
121. **Harvey Markour**, Asset Management Deputy Director, **Systra**
122. **Calvin Yen**, Assistant Vice President, Head of Application System Department, IT Division, **Taiwan High Speed Rail**
123. **Kuo Tsair-Ming**, Vice President, **Taipei Rapid Transit Corporation**
124. **Lin Yung-Chang**, Manager of Bridge and Tunnel Division, **Taiwan Railways Administration**
125. **Felipe Sanjuan**, Business Development Director Transportation, **Teltronic**
126. **Josep Jonch Sepulveda**, Business Development Manager APAC, **Teltronic**
127. **Mick Spiers**, Vice-President Revenue Collection System Asia Pacific, **Thales**
128. **Alan Atad**, Director - Business Development, **Thales**
129. **Naoto Kimura**, Director, International Relations Department, Corporate Planning Headquarters, **Tokyo Metro**
130. **Chao Liu**, Chief Engineer, **Traffic Control Technology**
131. **Alok Jain**, Managing Director, **Trans-Consult Asia**
132. **Brian Wong**, Head of Rail Malaysia & Singapore, **TÜV Rheinland**
133. **Kaebin Tan**, Cybersecurity Assessor, **TÜV Rheinland**
134. **Dr. Ralf Zabel**, Key Account Manager Energy, **TÜV SÜD**
135. **Mathias Linden**, Project Leader, Competence Centre for the Assessment of Railway Diagnostic and Monitoring Technologies, **University of Koblenz-Landau**
136. **Francois Dudouit**, Project Director, **Vinci Construction Grands Projets**
137. **Lionel Hetzel**, Senior Sales Manager, **voestalpine SIGNALING Sainerholz GmbH**
138. **Venkateshwaran “Venky” Krishnan**, Director of Business Development & Special Programs, **VYCON**
139. **Wilson Ho**, Director, **Wilson Acoustics Limited**
140. **Steven Lai**, Director, Infrastructure, China Region, **WSP**
141. **Dr Shaobo Liu**, Associate Professor, **Wuhan University of Technology**



**PRE-CONFERENCE SITE VISIT: MONDAY 19 MARCH 2018**  
**(FULLY SUBSCRIBED, FOR PRE-REGISTERED ATTENDEES ONLY)**

The 26-km long Hong Kong Section of the Guangzhou-Shenzhen-Hong Kong Express Rail Link (XRL) runs from West Kowloon in Kowloon, to the boundary between Hong Kong and Shenzhen in the Mainland. The XRL will connect Hong Kong to the 20,000-km National High-speed Railway Network and will enhance Hong Kong's role as the southern gateway to Mainland China.

A tour and preview of the XRL trains and Operations Control Centre (OCC) has been arranged for Asia Pacific Rail participants at the Shek Kong Stabling Sidings (SSS). Limited vacancies available for speakers, delegates and sponsors only. Please contact us if you wish to join the site visit.

Time	Programme
<b>13:25</b>	<b>Meet in the lobby of Renaissance Harbour View Hotel in Wanchai</b>
<b>13:30</b>	<b>Shuttle Bus departs from hotel to MTR Kam Tin Building</b>
<b>14:40</b>	<b>Welcome Remarks</b> Venue: Theatre at MTR Kam Tin Building, 23 Kam Ho Road, Kam Tin, NT
<b>14:45</b>	<b>Presentation: Progress of the XRL Project</b>
<b>15:00</b>	<b>Introduction to SSS</b>
<b>15:10</b>	<b>Refreshment</b>
<b>15:20</b>	<b>Travel by Shuttle Bus from Kam Tin Building to SSS</b>
<b>15:25</b>	<b>Tour of XRL trains and visit to the new XRL OCC</b> <i>Group 1:</i> Tour of XRL Trains → OCC <i>Group 2:</i> Tour of OCC → XRL Trains
<b>16:25</b>	<b>Closing Remarks</b>
<b>16:30</b>	<b>Shuttle Bus leaves to return to hotel</b>
<b>17:30</b>	<b>End of visit</b>

## DAY ONE: TUESDAY 20 MARCH 2018

Opening Keynote Plenary: Rail Leadership (Venue: Plenary Theatre, Hall 3FG, Level 3)	
08:50	<b>Organiser's Welcome Remarks</b>
09:00	<b>Chair's Opening Remarks</b> <b>Richard Anderson</b> , Managing Director, <b>Railway and Transport Strategy Centre, Imperial College London</b>
09:10	<b>Keynote Interview: Lincoln Leong</b> , Chief Executive Officer, <b>MTR Corporation</b> Future of railway in Hong Kong and beyond: MTR's expansion strategy
09:25	<b>Keynote Interview: Jeroen Weimar</b> , Chief Executive Officer, <b>Public Transport Victoria</b> Transforming the public transport network in Melbourne
09:40	<b>Keynote Interview: Abdul Mohsin Ibrahim Younes</b> , Chief Executive Officer, <b>Rail Agency, Roads and Transport Authority</b> Dubai's rail transport journey and beyond
09:55	<p><b>Rail Leaders' Panel:</b> Following their interviews, our rail leaders will gather for a panel discussion to explore the big issues affecting rail operators all around the world. Issues for discussion include:</p> <ul style="list-style-type: none"> <li>• How can rail authorities and operators work more closely with each other to enhance service reliability and passenger satisfaction?</li> <li>• What is a sustainable and profitable model to manage rail development and daily operations?</li> <li>• With the expansion of rail networks in the next decade, what can be done to build up our rail engineering capabilities and workforce?</li> <li>• How can we deliver more capacity through the effective use of staff, assets and systems?</li> <li>• The urban mobility landscape is evolving with on-demand mobility services and new technologies, how can rail operators respond to this changing landscape?</li> </ul> <p><b>PANELLISTS:</b> <b>Lincoln Leong</b>, Chief Executive Officer, <b>MTR Corporation</b> <b>Jeroen Weimar</b>, Chief Executive Officer, <b>Public Transport Victoria</b> <b>Abdul Mohsin Ibrahim Younes</b>, Chief Executive Officer, <b>Rail Agency, Roads and Transport Authority</b></p> <p><b>MODERATOR:</b> <b>Richard Anderson</b>, Managing Director, <b>Railway and Transport Strategy Centre, Imperial College London</b></p>
10:30	<p><b>Embrace innovation while maintaining long term operational stability</b></p> <p>Ever increasing demands on Rail services call for continuous innovation and elasticity of the underlying ICT infrastructure. At the same time rail operational communication expects stability and reliability of telecommunication networks which are subject to quick innovation cycles.</p> <p>With the right strategy on standardization, migration concepts and an holistic approach on rail requirements rapidly innovating ICT technology can serve rail operator's ICT demands throughout the lifetime of their infrastructure.</p> <p><b>Norman Frisch</b>, Chairman of the eLTE Industry Alliance, Marketing Director, Enterprise Business Group and Transport Sector, <b>Huawei Technologies Co., Ltd</b></p>
10:50	Exhibition Visit & Networking Refreshments

	<b>Metro Project Updates (Venue: Plenary Theatre, Hall 3FG, Level 3)</b>	<b>Signalling &amp; Communications (Venue: Meeting Room S428, Level 4)</b>	<b>Asset Management &amp; Rolling Stock (Venue: Meeting Room S427, Level 4)</b>	<b>Rail Freight (Venue: Meeting Room S426, Level 4)</b>
	<b>Conference Chair: Perran Coak, Technical Director, Transportation, AECOM</b>	<b>Conference Chair: Chao Liu, Chief Engineer, Traffic Control Technology</b>	<b>Conference Chair: Prof Lee Kang Kuen, Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University</b>	<b>Conference Chair: Dr. Jimmy Hui, Technical Director, AECOM</b>
	Southeast Asia	Latest technologies in Signalling	Innovation in Asset Management	Modernisation of Freight Corridors
11:30	<p><b>Malaysia's Land Public Transport Transformation towards Vision 2020</b></p> <ul style="list-style-type: none"> <li>Developing rail as the backbone of public transportation in Greater Kuala Lumpur</li> <li>Project updates on key rail projects – KVMRT, East Coast Rail Line, RTS, HSR</li> <li>Key tendering timelines and opportunities for collaboration</li> </ul> <p><b>Yuslizar Daud, Head of Rail Division, Land Public Transport Commission (SPAD)</b></p>	<p><b>Difficulties and measures in implementing CBTC projects in brownfield</b></p> <p><b>Cao Hong Sheng, Chief Engineer, Signalling, Beijing Metro</b></p>	<p><b>Foresighted Asset Management Strategy</b></p> <ul style="list-style-type: none"> <li>Creating accurate long-term forecasts of asset condition by analysing historical and current data</li> <li>Achieving foresight in asset management through novel prognostic technologies</li> <li>Equipping rail operators the ability to make decisions on optimal asset deployment and maintenance planning</li> </ul> <p><b>Dr. Tony Lee, Chief of Operations Engineering, MTR Corporation</b></p>	<p><b>Boosting Thailand's railway freight development: Opportunities and challenges</b></p> <ul style="list-style-type: none"> <li>Service expansion in securing future demand and improvement of usage share</li> <li>How does railway freight support future trade in the Greater Mekong sub-region?</li> <li>How can SRT capture more on revenues from freight traffic and increase its local usage share?</li> <li>How can the China-Thailand Railway Project increase freight and passenger connectivity?</li> </ul> <p><b>Voravuth Mala, Deputy Governor of Property Management Business Cluster, State Railway of Thailand</b></p>
11:50	<p><b>Singapore's Urban Mobility Revolution</b></p> <ul style="list-style-type: none"> <li>What is the vision for Singapore's transport network?</li> <li>Innovations and new technologies adopted in new MRT lines</li> <li>Charting new territory with AVs providing first and last-mile connectivity</li> </ul> <p><b>Chua Chong Kheng, Deputy Chief Executive, Infrastructure &amp; Development, Land Transport Authority</b></p>	<p><b>Experience on transformation of Track Circuit based to CBTC Project</b></p>	<p><b>Connected Asset Lifecycle Management for Rail</b></p> <ul style="list-style-type: none"> <li>The solution for next level asset management connecting operations and maintenance to performance analytics</li> <li>How can we ensure we proactively predict, prescribe and prioritize maintenance and responsiveness by delivering the right work at the right time to the right people?</li> <li>Enable planning based on risk of failure and operational criticality utilising expert data modelling</li> </ul> <p><b>Jay Jenkins, Product Manager, ABB Ability Connected Asset Lifecycle Management, ABB</b></p>	<p><b>Modernisation of Indonesia's railways to drive economic development</b></p> <ul style="list-style-type: none"> <li>Key projects and timelines in upgrading and building new freight lines to expand capacity?</li> <li>Collaboration opportunities with the private sector</li> </ul> <p><b>Hermanto Dwiatmoko, Chairman, Indonesian Railway Society (MASKA)</b></p>
12:10	<p><b>Achieving World Class Fleet Performance by Improving Life Cycle Cost; Value of Services and its' Expansion in Southeast Asia</b></p> <ul style="list-style-type: none"> <li>Highest levels of availability and reliability through a management maintenance program</li> </ul>	<p><b>Migration of a CBTC Signal System in a live Metro</b></p> <p><b>Gordon Lam, Project Manager – Signalling (DUAT), MTR Corporation</b></p>	<p><b>Integrating an asset management plan into an extension project – A case study on extending the 15-year Blue Line metro system</b></p> <ul style="list-style-type: none"> <li>What are key technical decisions to be made in order to complete the project within a tight schedule?</li> </ul>	<p><b>Enhancing rail freight infrastructure and services: A case study on the Indian Scenario</b></p> <ul style="list-style-type: none"> <li>Introduction of new types of wagon to carry specialized commodities</li> <li>Latest initiatives to improve quality of maintenance and monitoring systems</li> </ul>

	<ul style="list-style-type: none"> <li>Optimal operational efficiency and lower costs with improved material and repair management</li> <li>Improved environmental performance with data analytics and data prognostics</li> </ul> <p><b>Craig Winfrey, Head of Services, Southeast Asia, Bombardier</b></p>		<ul style="list-style-type: none"> <li>What are key factors in consideration whether to replace the old signalling and communication equipment with new technologies or not?</li> <li>How has an asset management plan integrated into an extension project?</li> </ul> <p><b>Lakthan Thongnopakoon, Assistant Managing Director, Project Management &amp; Development Group, Bangkok Expressway and Metro Public Company Limited</b></p>	<ul style="list-style-type: none"> <li>Network growth: New plans and collaboration with private players</li> </ul> <p><b>Vivek Mohan, Director, Mechanical Engineering (Freight), Indian Railways</b></p>
12:30	<p><b>Overcoming capacity challenge in Bangkok: An update on the Mass Transit Master Plan</b></p> <ul style="list-style-type: none"> <li>As Bangkok’s metro network is set for expansion, what are the new projects planned for development under the Mass Transit Master Plan?</li> <li>Exploring opportunities for collaboration in the delivery of new lines</li> <li>What’s the progress of lines under construction - - Blue Line, Sukhumvit Line, Dark &amp; Light Red Lines</li> </ul> <p><b>Dr. Somprasong Suttayamully, Director, Fare Media Office, Mass Rapid Transit Authority of Thailand</b></p>	<p><b>Relationship between brownfield and new technology</b></p>	<p><b>Networking Lunch &amp; Exhibition Visit</b></p>	<p><b>Modernisation and expansion of Sri Lanka’s railways</b></p> <ul style="list-style-type: none"> <li>Upcoming developments in Sri Lanka – Proposed Railway Electrification Project &amp; Light Rail Transit in Colombo</li> <li>Optimising existing resources to improve mainline efficiency</li> <li>How will Sri Lanka Railways continue to modernize the railways and raise passenger and freight volumes?</li> </ul> <p><b>Jayantha Gunathilake, Additional Secretary (Engg.), Ministry of Higher Education and Highways, Sri Lanka &amp; Consultant Engineer, Sri Lanka Railway</b></p>
12:50	<b>Networking Lunch &amp; Exhibition Visit</b>			
	<b>China</b>	<b>Rail Systems &amp; Communications</b>	<b>Asset Renewal</b>	<b>Rail Freight Efficiency</b>
	<p><b>Conference Chair: Perran Coak, Technical Director, Transportation, AECOM</b></p>	<p><b>Conference Chair: CS Chang, Chairman &amp; Director, Key Direction Limited</b></p>	<p><b>Conference Chair: Prof Lee Kang Kuen, Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University</b></p>	<p><b>Conference Chair: Dr. Jimmy Hui, Technical Director, AECOM</b></p>
14:00	<p><b>Lessons learnt from investing and operating in Mainland China</b></p> <ul style="list-style-type: none"> <li>Opportunities arising from the metro boom in China</li> <li>What are the challenges of investing and operating in China?</li> <li>Achieving high operational reliability and customer satisfaction</li> </ul> <p><b>Wilson Shao, General Manager – Beijing &amp; Tianjin, China &amp; International Business, MTR Corporation</b></p>	<p><b>Application of Formal MBSE (Model Based Systems Engineering) to Rapid Transit Projects</b></p> <ul style="list-style-type: none"> <li>Deepening the MBSE approach in concept and design phase of the project</li> <li>Broadening comprehensive Integrated testing techniques on verification and validation of the overall system</li> <li>Structured functional competency framework development of systems engineers for effective execution of systems integration</li> </ul> <p><b>Dr. Samuel Chan, Deputy Group Director, Rail/Road Systems Engineering &amp; Chief Systems Specialist, Land Transport Authority</b></p>	<p><b>Defining transport capability using systems engineering to assure asset integrity</b></p> <p>Applying a system of systems approach to whole of life asset management of transport capabilities ensures new technologies and changing transport assets can be assured and accepted without compromising transport network integrity. This presentation will discuss how these disciplines are being introduced into the Victorian public transport sector to assure the significant infrastructure projects under development.</p> <p><b>Len Neist, Chief Engineer, Public Transport Victoria</b></p>	<p><b>Status of Myanmar Railways &amp; Current Development Projects</b></p> <ul style="list-style-type: none"> <li>Introduction to the current situation of Myanmar’s transport sector</li> <li>Status of Myanmar Railways</li> <li>Integration of Myanmar’s rail network</li> <li>Current Development Projects (current and upcoming infrastructure development projects)</li> </ul> <p><b>Nyi Nyi Swe, Deputy General Manager (Planning), Administration &amp; Planning Department, Myanmar Railways</b></p>



14:20	<p><b>基于南京地铁运营实践看国内轨道交通发展趋势 The development trend of domestic rail transit based on the practice of Nanjing Metro operation</b></p> <ul style="list-style-type: none"> <li>Managing 7 metro lines with a daily ridership of 3 million</li> <li>What are the new projects planned for construction from 2018 to 2023?</li> <li>Best practices adopted on Nanjing Metro</li> </ul> <p><b>Zhu Bin, General Manager, Nanjing Metro Group</b></p> <p>*This session will be conducted in Mandarin. Simultaneous interpretation headsets are available for non-Mandarin speaking conference attendees.</p>	<p><b>Challenges and Solutions for re-signalling a CBTC WLAN Radio</b></p> <ul style="list-style-type: none"> <li>Challenges in re-signaling a CBTC radio system</li> <li>Optimized solutions to overcome packet loss and frequency hopping</li> <li>Real case sharing</li> </ul> <p><b>Calvin Chuko, Product Manager, MOXA Inc</b></p>	<p><b>PANEL: Key considerations in Asset Renewal – Balancing investment, risk and cost</b></p> <ul style="list-style-type: none"> <li>As mature rail operators in the region are facing the issue of aging rail assets, a decision has to be made between refurbishment and replacement of assets. What are the key factors that need to be taken into account before a decision is made?</li> <li>What are the best practices in life cycle costing and asset renewal planning?</li> <li>How do we structure cost, funding and investment effectively to ensure the sustainability of rail assets?</li> <li>How will rail asset management evolve with the application of new technology in the next 5-10 years?</li> </ul> <p><b>MODERATOR:</b> <b>Prof Lee Kang Kuen, Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University</b></p> <p><b>PANELLISTS:</b></p> <ul style="list-style-type: none"> <li><b>Dr. Tony Lee, Chief of Operations Engineering, MTR Corporation</b></li> <li><b>C.C Chang, New Taipei City Light Rail System Committee Member; Professor, Department of Transportation &amp; Logistics Management, Chung Hua University</b></li> <li><b>Len Neist, Chief Engineer, Public Transport Victoria</b></li> </ul>	<p><b>Rehabilitating Cambodia’s railway networks to build regional connectivity</b></p> <ul style="list-style-type: none"> <li>What plans have been identified to upgrade Cambodia’s rail infrastructure to cope with increasing freight demand?</li> <li>How will such upgrades be financed?</li> <li>What are the challenges involved?</li> </ul> <p><b>Ouk Sota, Deputy Director of Railways, Ministry of Public Works and Transport</b></p>
14:40	<p style="text-align: center;"><b>India</b></p> <p><b>Launching Noida Metro: India’s fastest metro project</b></p> <ul style="list-style-type: none"> <li>Enhancing connectivity between the twin cities of Noida and Greater Noida</li> <li>‘Green’ metro – Powering stations, depot and offices with solar energy</li> <li>Preparation progress for opening in April 2018</li> </ul>	<p><b>Cloud-based Integrated Platform – Supporting data correlation, big data applications, predictive maintenance and energy saving</b></p> <p>Huawei present insights into the railway cloud solutions that providing a comprehensive &amp; stable integrated platform for railway operation. On top of that, solution partners can develop various new railway application for predictive maintenance, passenger flow forecast and energy saving based on data correlation of systems, machine learning and big data mining technologies.</p> <ul style="list-style-type: none"> <li>Huawei railway cloud architecture introduction</li> <li>Data is big and need put it on cloud for better usage</li> <li>Dig out valued data for supporting railway operation and improving customer satisfactory.</li> <li>Ideas sharing in predictive maintenance and energy saving.</li> </ul> <p><b>Liu Heung Ling, Senior Industry Solutions Manager, Enterprise Business Group and Transport Sector, Huawei Technologies Co., Ltd</b></p>	<p><b>MODERATOR:</b> <b>Prof Lee Kang Kuen, Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University</b></p> <p><b>PANELLISTS:</b></p> <ul style="list-style-type: none"> <li><b>Dr. Tony Lee, Chief of Operations Engineering, MTR Corporation</b></li> <li><b>C.C Chang, New Taipei City Light Rail System Committee Member; Professor, Department of Transportation &amp; Logistics Management, Chung Hua University</b></li> <li><b>Len Neist, Chief Engineer, Public Transport Victoria</b></li> </ul>	<p><b>Towards sustainable rail freight operations: A case study on BLS Cargo</b></p> <ul style="list-style-type: none"> <li>What political and strategic initiatives have been put in place to improve operations and efficiency?</li> <li>Raising freight volumes to maximise value and customer satisfaction delivered from freight service</li> <li>How has technology and process help to improve performance, productivity and profitability?</li> </ul> <p><b>Juergen Maier-Gyomlay, Head of International Affairs and Projects, BLS Cargo AG</b></p>

		Rail Systems & Communications	Rolling Stock	Meeting the rising demand of Asia's freight industry
15:00	<p><b>Shaping the public transport landscape in Chennai: Expansion plans for Chennai Metro</b></p> <ul style="list-style-type: none"> <li>With rapid urbanization and increasing traffic congestion in the city, how can the metro project change the urban mobility landscape in Chennai?</li> <li>Key timelines for Chennai Metro Phase 2</li> <li>First metro project in India to integrate other transport modes</li> </ul> <p><b>Sujatha Jayaraj, Director (Finance), Chennai Metro</b></p>	<p><b>Advanced systems integration in major rail projects</b></p> <ul style="list-style-type: none"> <li>What is the systems integration management process for design and construction for major rapid transit systems?</li> <li>Main challenges in managing a structured interface design and integration process</li> <li>How can we ensure cooperation among different interfacing parties?</li> </ul> <p><b>Liu Chiu Liang, Director of Systemwide E&amp;M Project Office, Department of Rapid Transit Systems, Taipei City Government</b></p>	<p><b>Improving performance and cost-effectiveness of rolling stock fleets with condition-based monitoring</b></p> <ul style="list-style-type: none"> <li>What are the latest condition-based monitoring tools?</li> <li>Adopting condition monitoring and predictive maintenance to improve fleet reliability and safety</li> <li>How do they help in reducing life cycle costs?</li> </ul> <p><b>KH Lee, Head of Workshops, Rolling Stock Maintenance Department, MTR Corporation</b></p>	<ul style="list-style-type: none"> <li>Tapping on opportunities to establish greater intermodal and border connectivity</li> <li>Meeting the growth of Asian import and export demands</li> <li>Plans for system improvement, upgrading and modernizing of locomotives fleet</li> </ul> <p><b>Koji Nishimura, General Manager, Overseas Business Office, Railway Business Headquarters, Japan Freight Railway Company</b></p>
15:20	<p><b>Improving urban mobility in Gujarat: Construction progress of Ahmedabad Metro (MEGA)</b></p> <ul style="list-style-type: none"> <li>Constructing a mass-transit rail system for the cities of Ahmedabad and Gandhinagar</li> <li>Construction progress – towards a completion target of 2020</li> <li>Financing the project by JICA</li> </ul> <p><b>Co-Presenters:</b>  <b>Sahadev Singh Rathi, Director, Project &amp; Planning, MEGA Co. Ltd</b>  <b>Amit Gupta, General Manager, Corporate Planning, MEGA Co. Ltd</b></p>	<p><b>TETRA&amp;LTE MC PTT as alternative to ETCS, PTC, CBTC Signaling applications</b></p> <ul style="list-style-type: none"> <li>Mission critical data solutions for the transport sector</li> <li>Providing narrow or/and broadband radio solutions to provide operational efficiencies.</li> <li>TETRA&amp;LTE as alternatives to current technologies.</li> <li>Success cases TETRA&amp;LTE MC PTT</li> </ul> <p><b>Felipe Sanjuan, Business Development Director Transportation, Teltronic</b></p>	<p><b>Adopting IEC 61375 in IP train communication networks</b></p> <ul style="list-style-type: none"> <li>Benefits of adopting IEC 61375 technologies</li> <li>Real case sharing <ul style="list-style-type: none"> <li>Case 1: Applying ETBN in onboard multimedia and train to ground systems</li> <li>Case 2: Applying ETBN in separate TCMS and multimedia systems</li> </ul> </li> </ul> <p><b>Roland Chan, Rail Architect, MOXA Inc</b></p>	<p><b>Transforming KTMB: Capabilities and experience in managing the modernization of railway infrastructure</b></p> <ul style="list-style-type: none"> <li>Optimising the freight performance of intensively utilized mixed-traffic rail network to facilitate efficient operations</li> <li>How can freight trunk routings be optimized to minimise passenger/freight conflicts?</li> <li>Upgrading network capability to increase freight capacity</li> </ul> <p><b>Ismail Said, General Manager, Project Management, KTMB</b></p>
15:40	<p><b>Implementation of Regional Rapid Transit System (RRTS) project across Delhi National Capital Region</b></p> <ul style="list-style-type: none"> <li>Sharing of project overview.</li> <li>Latest technological advancements implemented in the RRTS project to achieve higher efficiency and passenger safety.</li> <li>Creating multi modal transit hubs with other modes of transport like mainline Railways, Inter State Bus Terminus, Airport and Metro system to provide a seamless commuter experience.</li> </ul> <p><b>Rajiv Datt, Senior Advisor, National Capital Region Transport Corporation (NCRTC)</b></p>	<p><b>Integrating system interfaces and enforcing a universal verification system to ensure high operational standards</b></p> <p><b>Ashish Sanghi, Addl. CPM (Telecom), Maharashtra Metro Rail Corporation</b></p>	<p><b>Data Analytics for Train Fleet Reliability</b></p> <p><b>Dr. Chia Wee Lee, Deputy Director, Rolling Stock Workshop, SMRT Trains</b></p>	<p><b>Rail Freight Leaders Panel</b></p> <p><b>[15:40 – 16:10] Rail Freight Leaders Panel: Perspectives into industry dynamics and global emerging trends</b></p> <ul style="list-style-type: none"> <li>What role does rail play in intermodal freight?</li> <li>How should authorities, operators and other stakeholders be collaborating to deliver end-to-end freight services?</li> <li>Accelerating the rail freight network in the region to gain greater market share</li> <li>What are the key challenges towards achieving sustainable development?</li> </ul> <p><b>PANELLISTS:</b></p>

				<ul style="list-style-type: none"> <li>• <b>Juergen Maier-Gyomlay</b>, Head of International Affairs and Projects, <b>BLS Cargo AG</b></li> <li>• <b>Koji Nishimura</b>, General Manager, Overseas Business Office, Railway Business Headquarters, <b>Japan Freight Railway Company</b></li> <li>• <b>Voravuth Mala</b>, Deputy Governor of Property Management Business Cluster, <b>State Railway of Thailand</b></li> <li>• <b>Vivek Mohan</b>, Director, Mechanical Engineering (Freight), <b>Indian Railways</b></li> </ul> <p><b>MODERATOR:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. Jimmy Hui</b>, Technical Director, <b>AECOM</b></li> </ul>
16:00	Exhibition Visit & Networking Refreshments			
	<b>Closing Keynote Plenary</b> (Venue: Plenary Theatre, Hall 3FG, Level 3)			
16:40	<p><b>Driving financially sustainable growth in metro networks</b>  <b>Lessons from ‘The Operators’ Story’ – a Collaboration between the World Bank, the Community of Metros and Imperial College London</b></p> <ul style="list-style-type: none"> <li>• What drives financial success and minimizes the need for long-term government funding?</li> <li>• What are the factors that affect metro costs within and outside operator control?</li> <li>• What has been the impact of network development on metro finances?</li> <li>• How can optimising capacity deliver the most cost-effective outcomes for a metro?</li> <li>• How can today’s successful Asian metros and their governments avoid the mistakes of older metros?</li> </ul> <p><b>Richard Anderson</b>, Managing Director, <b>Railway and Transport Strategy Centre, Imperial College London</b></p>			
17:00	<p><b>The future is digital, transformation is now</b></p> <ul style="list-style-type: none"> <li>• The digital future has already started. Where are we now? Where are we heading tomorrow?</li> <li>• Deutsche Bahn’s approach to digital transformation and overcoming challenges</li> <li>• Digital innovations to deliver our vision of a seamless passenger experience</li> <li>• How can transport companies collaborate with each other to be more successful in the digital age?</li> <li>• How can traditional technologies benefit from digital technologies and vice versa?</li> </ul> <p><b>Rolf Härdi</b>, CTO, <b>Deutsche Bahn AG</b></p>			
17:20	<p><b>Chairperson’s closing remarks</b>  <b>Vincent Tan</b>, Recently retired Senior Vice-President – Rail Operations/International Engagement, <b>SMRT Trains</b></p>			
17:25	Networking Drinks Reception			

## DAY TWO: WEDNESDAY 21 MARCH 2018

Opening Keynote Plenary (Venue: Plenary Theatre, Hall 3FG, Level 3)				
08:50	<b>Organiser's Welcome Remarks</b>			
09:00	<b>Chair's Opening Remarks</b> <b>Andrew McNaughton, Chief Operating Officer, Systra</b>			
09:10	<b>A Rail Transport Perspective of the Guangzhou-HK-Macau Greater Bay Area Development</b> <ul style="list-style-type: none"> <li>Development of a city cluster in the Guangdong- Hong Kong-Macau Greater Bay Area</li> <li>Boosting urban connectivity and economic cooperation between Hong Kong, Macau and 9 cities in Guangdong province</li> <li>Tapping into opportunities: What is MTR's expansion strategy into Mainland China?</li> </ul> <b>Dr. Jacob Kam, Managing Director – Operations &amp; Mainland Business, MTR Corporation</b>			
09:30	<b>Keynote Panel: Towards long-term sustainability of railway operations</b> <ul style="list-style-type: none"> <li>How can modern metros ensure financial sustainability and sufficient funds for asset upgrade and renewal?</li> <li>As labour costs increase, how can rail operators offset rising costs with revenue growth and increased productivity?</li> <li>How can rail authorities and operators work more closely together in ensuring long-term financial and quality sustainability?</li> <li>Building 'liveable' communities: Building railways that connect with and complement the urban development of a city</li> </ul> <b>PANELLISTS:</b> <b>Chua Chong Kheng, Deputy Chief Executive, Infrastructure &amp; Development, Land Transport Authority</b> <b>Adi Lau, Operations Director, MTR Corporation</b> <b>Stewart Mills, Executive Director – Engineering and Maintenance, Sydney Trains</b> <b>MODERATOR:</b> <b>Dr Peter Tse, Associate Professor, City University of Hong Kong</b>			
10:10	<b>Metro 2030: Paris Metro's modernisation and automation programme</b> <ul style="list-style-type: none"> <li>Advantages of the automated metro</li> <li>Key characteristics of Paris Metro Line 4 and challenges in its automation</li> <li>Industrial strategy and key success factors of Line 4 automation</li> </ul> <b>Edgar Sée, Project Director – Line 4 Automation, RATP</b>			
10:30	<b>Exhibition Visit &amp; Networking Refreshments</b>			
	<b>Operations &amp; Maintenance (Venue: Plenary Theatre, Hall 3FG, Level 3)</b>	<b>Signalling &amp; Communications (Venue: Meeting Room S428, Level 4)</b>	<b>Passenger Experience &amp; Safety, Light Rail (Venue: Meeting Room S427, Level 4)</b>	<b>High Speed Rail (Venue: Meeting Room S426, Level 4)</b>
	<b>Conference Chair: Andrew McNaughton, Chief Operating Officer, Systra</b>	<b>Conference Chair: CS Chang, Chairman &amp; Director, Key Direction Limited</b>	<b>Conference Chair: Alok Jain, Managing Director, Trans-Consult Asia</b>	<b>Conference Chair:</b>
	Operational Efficiency	Resignalling Best Practices	Smart Passenger Experience	<b>New High Speed Rail Corridors (I)</b>
11:30	<b>Enhancing the operational efficiency of Sydney's rail systems</b> <ul style="list-style-type: none"> <li>Adopting Advanced Train Control systems and technologies on the Sydney Trains network</li> </ul>	<b>Navigating operational risks in resignalling of high-capacity metros</b> <ul style="list-style-type: none"> <li>How to ensure uninterrupted daily operations during in-progress updates</li> <li>Measures taken during construction and trial period</li> </ul>	<b>Digital transformation of Seoul Metro to enhance passenger experience</b> <ul style="list-style-type: none"> <li>How can different modes of public transportation be seamlessly integrated to provide smoother commuter journeys?</li> </ul>	<b>Hong Kong's high speed rail project – Express Rail Link</b> <ul style="list-style-type: none"> <li>Overview of the Express Rail Link</li> <li>What are the key construction challenges and how were they overcome?</li> </ul>



	<ul style="list-style-type: none"> <li>Delivering cost-effective operations and safety improvements</li> <li>Technology initiatives to reduce lifecycle costs and improve reliability</li> </ul> <p><b>Stewart Mills</b>, Executive Director – Engineering and Maintenance, <b>Sydney Trains</b></p>	<ul style="list-style-type: none"> <li>Updating staff’s knowledge of both new and existing systems for operation and maintenance</li> <li>How to resolve system instabilities</li> </ul> <p><b>Philip Wong</b>, Chief Signal Engineer (Operations), <b>MTR Corporation</b></p>	<ul style="list-style-type: none"> <li>Improving customer care, operations and business processes</li> <li>Adopting a customer-centric approach to service delivery</li> </ul> <p><b>Dr. Kim Tae-ho</b>, Chief Executive Officer, <b>Seoul Metro</b></p>	<ul style="list-style-type: none"> <li>Integrated testing and cross-boundary dynamic testing of train sets</li> </ul> <p><b>Dr. Philco Wong</b>, Projects Director, <b>MTR Corporation</b></p>
11:50	<p><b>Alstom’s latest digital innovation in enhancing operational efficiency</b></p> <p><i>Data usage as a lever for capacity increase</i></p> <ul style="list-style-type: none"> <li>reducing dwell times</li> <li>optimizing train capacity usage</li> <li>enabling passenger decisions</li> </ul> <p><b>Alexis Chavelas</b>, VP Digital Mobility Platform, <b>Alstom</b></p>	<p><b>Signalling Experts Panel: Best Practices in implementing CBTC systems</b></p> <ul style="list-style-type: none"> <li>As CBTC is becoming one of the standard systems in the world, how can we ensure that the system is reliable, secure and can withstand interferences?</li> <li>What are the risks and security vulnerabilities in CBTC systems?</li> <li>How can we ensure the interoperability between equipment supplied by vendors? Is it possible to achieve vendor neutrality?</li> <li>What approach should we adopt towards resignalling on CBTC systems? Is this an opportunity or threat for vendors?</li> <li>Should legacy signalling be retained after CBTC has been installed?</li> </ul> <p>PANELLISTS:</p> <ul style="list-style-type: none"> <li><b>Liu Chiu Liang</b>, Director of Systemwide E&amp;M Project Office, <b>Department of Rapid Transit Systems, Taipei City Government</b></li> <li><b>Philip Wong</b>, Chief Signal Engineer (Operations), <b>MTR Corporation</b></li> <li><b>Alan Atad</b>, Director - Business Development, <b>Thales</b></li> <li><b>Nikhil Swami</b>, Executive Engineer (S&amp;T), <b>Kolkata Metro Rail Corporation</b></li> </ul> <p>MODERATOR:</p> <p><b>CS Chang</b>, Chairman &amp; Director, <b>Key Direction Limited</b></p>	<p><b>Delight your passengers – Providing a seamless and contextual mobile experience</b></p> <p><i>In the presentation, Jason will provide insights on how location-based AI technology will enable public transport operators (PTOs) to orchestrate their customers’ door-to-door, multi-modal and on-demand mobility (also known as Mobility-as-a-Service or MaaS).</i></p> <p><b>Jason Wong</b>, CEO Asia, <b>Axon Vibe</b></p>	<p><b>Thailand’s high speed rail ambitions – Connecting Bangkok to Nakhon Ratchasima</b></p> <ul style="list-style-type: none"> <li>Building Thailand’s first high-speed rail link with a target operation date in 2020</li> <li>Project timelines and collaboration opportunities</li> <li>Future expansion plans – vision of linking with China- Laos Railway</li> </ul> <p><b>Dr. Pichet Kunadhamraks</b>, Director, Bureau of Rail System Development Office, Office of Transport and Traffic Policy and Planning, <b>Ministry of Transport Thailand</b></p>
12:10	<p><b>Driving innovation in O&amp;M management: A case study on Taiwan HSR</b></p> <ul style="list-style-type: none"> <li>Introduction of innovative initiatives in operation, maintenance, contingency and depot management</li> <li>How has the introduction of smart railway systems improve operational efficiency for Taiwan HSR?</li> <li>Benefits gained in adopting smart practices</li> </ul> <p><b>Calvin Yen</b>, Assistant Vice President, Head of Application System Department, IT Division, <b>Taiwan High Speed Rail</b></p>	<p><b>Malaysia’s economic vision for the KL-SG HSR corridor</b></p> <ul style="list-style-type: none"> <li>What are the socio-economic benefits that will come with KL-SG HSR corridor?</li> <li>Tender timeline: What are the opportunities for collaboration?</li> <li>Cross-industry collaboration and economic acceleration</li> </ul> <p><b>Annafi Zulkifli</b>, Director of Corporate Strategy, <b>MyHSR Corporation</b></p>	<p><b>A rainbow connection - Differentiating Hong Kong’s MTR stations with a palette of colours</b></p> <ul style="list-style-type: none"> <li>Why is every Hong Kong MTR station a different colour?</li> <li>Curating the station experience – Integrating functional artwork and meaningful colours</li> <li>Visioning stations of the future</li> </ul> <p><b>Andrew Mead</b>, Chief Architect, <b>MTR Corporation</b></p>	
12:30	<b>Networking Lunch &amp; Exhibition Visit</b>			

	Latest Technologies & Best Practices in O&M (I)	Signalling	Safety and Emergency Preparedness	New High Speed Rail Corridors (II)
14:00	<p><b>Rolling Stock Maintenance: Quantifying the values of outsourcing</b></p> <ul style="list-style-type: none"> <li>What are the key factors to be considered when contracting out?</li> <li>Evaluating financial sustainability and tangible benefits in outsourcing asset maintenance</li> <li>How can contractors' efficiency for cost cutting and performance improvements be tapped upon?</li> </ul> <p><b>Ahmad Nizam Mohamed Amin</b>, Chief Infra Services Officer, <b>Prasarana</b></p>	<p><b>Implementation of new signalling technology on Indonesia's railway systems</b></p> <p><b>Yanto Yulianto</b>, Head of Signaling, Telecommunication &amp; IT Department, <b>MRT Jakarta</b></p>	<p><b>Tokyo Metro's disaster preparedness plan</b></p> <ul style="list-style-type: none"> <li>How is Tokyo Metro enhancing readiness for natural disasters?</li> <li>Contingency measures to ensure the safety of passengers in times of crisis</li> <li>Building the resilience of rail infrastructure to withstand natural disasters</li> </ul> <p><b>Naoto Kimura</b>, Director, International Relations Department, Corporate Planning Headquarters, <b>Tokyo Metro</b></p>	<p><b>Jakarta-Bandung High Speed Rail Project – Types of HSR structure for special geological conditions in Bandung</b></p> <ul style="list-style-type: none"> <li>Building Indonesia's first HSR link – Project introduction and current status</li> <li>Construction challenges associated with geological conditions</li> </ul> <p><b>Rachman Suhandi</b>, General Manager – Technical &amp; Design Management, <b>PT Kereta Cepat Indonesia China (KCIC)</b></p>
14:20	<p><b>Connecting your critical assets with wireless, self-powered sensors; Moving safely and quickly to condition-based maintenance</b></p> <p><b>Tony Ward</b>, Sales Manager – AUS/NZ &amp; SE Asia, <b>Perpetuum</b></p>	<p><b>Integration and upgrading of Taipei Metro's signalling system</b></p> <p><b>Kuo Tsair-Ming</b>, Vice President, <b>Taipei Rapid Transit Corporation</b></p>	<p><b>Regulating railways safety in Hong Kong</b></p> <ul style="list-style-type: none"> <li>What are the major railway safety concerns?</li> <li>Strategies adopted to enforce and maintain high standards</li> <li>Adopting a stringent regime to enforce rail safety</li> </ul> <p><b>KF Fung</b>, Chief Engineer/Railways, <b>Electrical and Mechanical Services Department (EMSD), Government of Hong Kong SAR</b></p>	<p><b>High Speed Rail Sustainability</b></p> <p><b>High Speed Rail and Sustainable Mobility</b></p> <ul style="list-style-type: none"> <li>What are the environmental, economic and social effects of developing a HSR system?</li> <li>How can governments and stakeholders bridge the gap between the vision and the realities of connecting metropolitan regions through HSR?</li> </ul> <p><b>Helmut Scholze</b>, Partner, <b>Roland Berger</b></p>
14:40	<p><b>Digitalisation of the railways – SMRT's development on future systems</b></p> <ul style="list-style-type: none"> <li>With an ageing network, what are the latest technology initiatives to achieve maintenance and operation optimisation?</li> <li>Utilising sensor technology and big data to improve service reliability</li> </ul> <p><b>Ng Bor Kiat</b>, Chief Technology Officer &amp; Senior Vice President, Future Systems, <b>SMRT Trains</b></p>	<p><b>Indian Railways' New Initiatives in Signalling</b></p> <ul style="list-style-type: none"> <li>Development of Railway Signalling in India</li> <li>Signalling – Design Philosophy</li> <li>New signalling initiatives and future directions</li> </ul>	<p><b>An Introduction to Taipei MRT's Flood Prevention Engineering Improvement</b></p> <ul style="list-style-type: none"> <li>Flood prevention facilities and upgrading of flood protection criteria</li> <li>How to protect existing assets and build resilient assets</li> <li>Sharing of Taipei Metro's success story</li> </ul> <p><b>C.C Chang</b>, New Taipei City Light Rail System Committee Member; Professor, Department of Transportation &amp; Logistics Management, <b>Chung Hua University</b></p>	<p><b>Lessons from Taiwan High Speed Railway – Strategies to promote sustainable growth</b></p> <p>The Taiwan High Speed Railway Project is one of the largest privately managed and funded Build-Operate-Trans projects in the world.</p> <ul style="list-style-type: none"> <li>BOT financial model and its application in the railway</li> <li>Overcoming the legal, administration and financial issues in the collaboration</li> <li>What can other emerging high speed rail projects learn from the Taiwan HSR experience?</li> </ul> <p><b>Sung Hung Kung</b>, Chief of Section, <b>Bureau of High Speed Rail, MOTC</b></p>
	Latest Technologies & Best Practices in O&M (II)	Communications Security	Light Rail	

15:00	<b>Big data methodology for operation and infrastructure design</b> <ul style="list-style-type: none"> <li>Using big data analysis to test timetables compatibility with infrastructure design</li> <li>How can big data help in improving the robustness of operations planning?</li> <li>Overcoming challenges in working with big data – in terms of data processing and analysis</li> </ul> <b>Pierre Messulam, Vice President, SNCF Transilien</b>	<b>Managing and implementing practical information technology security in railway communications system</b> <ul style="list-style-type: none"> <li>Introduction to the risk and security vulnerabilities in rail systems</li> <li>Creating a railway IT security management framework for communications system</li> <li>Managing vulnerabilities in OT system</li> <li>Sharing of best practices in IT security</li> </ul> <b>Lim Thiam Siew, Assistant Vice President, SBS Transit DTL</b>	<b>Challenges in building Jakarta's first LRT</b>  <b>Syahrudin Sofyan, Design, Civil Engineering &amp; Trackwork Manager, LRT Department, Adhi Karya</b>	<b>Operational &amp; Financial Sustainability of South Korea's High Speed Rail Network</b> <ul style="list-style-type: none"> <li>What are the key lessons gained from Korea's experience with high speed rail?</li> <li>How has HSR helped South Korea to achieve greater balance in its socio-economic development?</li> <li>Plans for network expansion</li> </ul> <b>Lee Min Seok, Representative, Beijing Office, Korea Railroad Corp. (KORAIL)</b>
15:20	<b>Ensuring sustainable railway operations through energy saving practices</b>  <b>Kitipat Supakleelakul, Engineering and Maintenance Director, Bangkok Expressway and Metro Public Company Limited</b>	<b>An approach to implementation of information security in railway communications systems</b> <ul style="list-style-type: none"> <li>What are the unique challenges that rail operators face in relation to cyber security?</li> <li>How can we protect systems from attacks across different silos?</li> <li>Understanding the continued difficulties in an increasingly digitalized network</li> </ul> <b>Randy Sac, Head – Information Management &amp; Technology, Light Rail Manila Corporation</b>	<b>New Taipei City Danshui Light Rail – Project Updates</b>	<b>38 Years of HSR with SNCF: Best practices on operational sustainability</b> <ul style="list-style-type: none"> <li>What are the key lessons gained from SNCF's experience in operating HSR?</li> <li>How does SNCF establish itself in Europe's competitive landscape?</li> <li>What can new HSR operators in Asia learn from SNCF in ensuring financial sustainability?</li> </ul> <b>Philippe Lorand, Director Asia, SNCF</b>
15:40	<b>Re-engineering of traction system for rolling stock: The KTMB Experience</b>  <b>Kholel Manaf, General Manager, Fleet Maintenance &amp; Engineering, KTMB</b>	<b>Mitigating security challenges of communication based signalling system in metros</b>  <b>Nikhil Swami, Executive Engineer (S&amp;T), Kolkata Metro Rail Corporation</b>	<b>Light Rail Case Study</b>	<b>End of track</b>
16:00	<b>Close of Asia Pacific Rail 2018 – See you next year!</b>			

## On-Floor Seminar Agenda (open to trade visitors)

Day One – Tuesday, 20 March 2018

Time	Seminar Theatre 1 – Track Infrastructure	Seminar Theatre 2 - Rail revenue & ticketing	Seminar Theatre 3: Latest Technologies	Seminar Theatre 4: Construction, Tunnelling, Project Management & Station Design
1100	SBS Transit's best practices in track inspection and maintenance <b>Quek Chin Hock</b> , Assistant Vice-President (Rail Engineering) & Head of Permanent Way & CS Department, <b>SBS Transit DTL</b>	The challenges in the implementation of account based ticketing <b>Silvester Prakasam</b> , Senior Advisor, Fare System, <b>Land Transport Authority</b>	Market access: certification requirements for Asian railway projects <b>Brian Wong</b> , Head of Rail Malaysia & Singapore, <b>TÜV Rheinland</b>	Improving Project Schedule Outcomes through the Benefits of Time Location Charting <b>Santosh Bhat</b> , CEO & Co-Founder, <b>Linear Project Software Pty Ltd</b>
1130	Trends on Railway Noise Source Control by Rail Damper, Wheel Damper and Rail Grinding <b>Wilson Ho</b> , Director, <b>Wilson Acoustics Limited</b>	Why you need a digital data architecture to build a successful public transport system <b>Paul Gwynn</b> , Managing Director, <b>INIT Asia-Pacific Pte Ltd</b>	Design considerations for maintaining the quality of data transmission in Operational Networks <b>Parthiban Narayanan</b> , Sales Director APAC, <b>OTN Systems</b>	
1200	Maintenance and renewal of legacy tracks <b>Stanley Wong</b> , Permanent Way Integrity Manager, <b>MTR Corporation</b>	Overview and updates of Thailand's common ticketing system <b>Dr. Padet Praditphet</b> , Director, Common Ticketing Office, <b>Office of Transport &amp; Traffic Policy &amp; Planning (OTP)</b> , Ministry of Transport Thailand	How thermal camera technology can improve safety and efficiency in public transport <b>Koen Soenens</b> , Business Development Director, <b>FLIR ITS</b>	BIM and Asset Management <b>Harvey Markour</b> , Asset Management Deputy Director, <b>Systra</b>
1230	Rail Corrugation Improvements and Noise Management in Tunnels and Open Surface <b>Dr. Christoph Gramowski</b> , Director of R&D, <b>Schrey &amp; Veit</b>	Evolution of KCI's e-ticketing system from 2013 – 2018 <b>Fredi Firmansyah</b> , Technical Director, <b>Kereta Commuter Indonesia</b>	Change the station from Transportation hub to Life-style hub <b>Takeshi Mitsui</b> , Director Singapore Office, <b>East Japan Railway Company</b>	
1300	New innovations and measures to slow down track degradation <b>Chung Wei-Li</b> , Chief Engineer, <b>Bureau of High Speed Rail, MOTC</b>	Manila's Integrated Ticketing System and DOTr-MRT3 Best Practices <b>Ofelia Astrera</b> , Chief, Technical Training/AFCS Office/IT Section, <b>Department of Transportation - Metro Rail Transit 3 (DOTr-MRT3)</b>	Safe and Reliable Public Transport Rail Energy Systems based on latest technologies for CBTC and Green Energy Solution <b>Dr. Ralf Zabel</b> , Key Account Manager Energy, <b>TÜV SÜD</b>	
1330	Wheel Rail Interface Management - Rail Milling <b>Elvis Kozica</b> , International Sales Manager, <b>LINSINGER Austria</b>	Ticketing for Smarter Cities <b>Giacomo Biggiero</b> , Head of Business Development & Partnership – Asia, <b>Masabi</b>	Lantech Railway Networking Solutions <b>This session will be conducted at LANTECH's exhibition stand B05</b>	Development of an Artificial Neural Network for Optimization of Tunnel Blasting Design <b>Dr. Lawrence Lee</b> , Senior Construction Engineer, <b>MTR Corporation</b>
1400	Track geometry maintenance vehicle system – A case study on Rapid Rail <b>Bukhari Mohamed</b> , Project Director, <b>Rapid Rail</b>	Technology and operations for AFC systems in MTR <b>Eric Yeung</b> , AFC & SAMS Engineering Manager, <b>MTR Corporation</b>	Evolution of project management tools and why the "value chain" of projects should be connected to the same system <b>Scott Hyman</b> , Senior Vice President, <b>ARES Project Management LLC</b>	
1430	Elasticity in railway superstructure	Integrating emerging technologies to address the world's increasing congestion problems	TETRA & LTE integrated communications solutions for transportation	



	<b>Thomas H. Dorfner, Vice President Sales, Getzner Werkstoffe GmbH</b>	<b>Mick Spiers, Vice-President Revenue Collection System Asia Pacific, Thales</b>	<b>Josep Jonch Sepulveda, Business Development Manager APAC, Teltronic</b>	
1500	<b>Substructure Replacement Project for Dajia River Bridge</b> <b>Lin Yung-Chang, Manager of Bridge and Tunnel Division, Taiwan Railways Administration</b>	<b>Rail Revenue Reconciliation in the Philippine Setting</b> <b>Ma. Carolyn Garduce, Division Manager, AFCS Revenue Reconciliation &amp; Settlement, Light Rail Transit Authority</b>	<b>Data transmission in rolling stock with copper-based and fiber-optic cable solutions</b> <b>Flavio Gerber, Key Account Manager, LEONI BU Transportation</b>	<b>How Digital Design Delivery is meeting the challenges of major rail projects</b> <b>George Ramsbottom, Director, Atkins</b>
1530	<b>Use of flash butt welding in metro system</b> <b>Ashwani Kumar, Chief Engineer (Track), Delhi Metro Rail Corporation</b>	<b>Establishing a common ticketing system in Kuala Lumpur</b> <b>Zakaria Md Tap, Head, Transit Acquirer Division, Land Public Transport Commission (SPAD)</b>	<b>The future of digital trains: Connecting trains at data speeds of 0.5Gbps and beyond</b> <b>Ofer Nagar, General Manager, North Asia, Strategic Alliances, RADWIN</b>	
1600	<b>Predictive maintenance of permanent way systems with condition monitoring systems</b>	<b>Octopus' latest mobile offerings and strategy</b> <b>Andy Yip, General Manager – International Business, Octopus Holdings</b>	<b>Optimized Rail Energy Recovery by VYCON</b> <b>Venkateshwaran “Venky” Krishnan, Director of Business Development &amp; Special Programs, VYCON</b>	<b>Rail and Metro Tunnel Ventilation System</b> <b>Steven Lai, Director, Infrastructure, China Region, WSP</b>
1630	<b>New innovations and measures to slow down track degradation</b>	<b>Enhancing passenger experience with comparative fares and open data</b> <b>Gene Soo, General Manager – Hong Kong, Citymapper</b>	<b>Fire protection systems for metro and high speed rolling stock</b> <b>Michele Barbagli, Area Sales Manager Rail Systems, FOGTEC Brandschutz GmbH &amp; Co. KG</b>	
1700	<b>End of Day One</b>			

## On-Floor Seminar Agenda (open to trade visitors)

Day Two – Wednesday, 21 March 2018

Time	<b>Seminar Theatre 1 – Track Infrastructure</b>	<b>Seminar Theatre 2 – Safety, Reliability and Disruption Management Seminar Series – Presented by CityU (T320101/15-R)</b> *This will take place in the “Rail Revenue & Ticketing” seminar theatre*	<b>Seminar Theatre 3: Latest Technologies</b>	<b>Seminar Theatre 4: Construction, Tunnelling, Project Management &amp; Station Design</b>
1100	<b>Solid-bed track with resilient sleepers</b> <b>Hikaru Tanigawa</b> , Researcher, Track Structures and Geotechnology, <b>Track Technology Division, Railway Technical Research Institute</b>	<b>A Fast and Effective Technique for Inspecting Rail Tracks – A Novel Laser-based Lamb Wave Approach</b> <b>Ir Dr Peter W. Tse</b> , Director, the Smart Engineering Asset Management Laboratory, <b>City University of Hong Kong</b>	The excellent practice of HUAWEI in the transportation industry  <b>Wang Xiaoqiang</b> , Transportation Solution Director, Huawei Southern Pacific region, <b>Huawei Technologies Co., Ltd</b>	<b>Best practices in designing mixed-use transit hubs</b>  Greg Yager, Senior Vice President, <b>CallisonRTKL</b> .
1130	<b>Use of optical fibre networks in predictive maintenance of track infrastructure</b> <b>Dr. Michael Liu</b> , Senior Scientific Officer, <b>Hong Kong Polytechnic University</b>	<b>Cellular automation modeling of pedestrian movement behavior on escalator</b> <b>Professor Jian Ma</b> , Professor, <b>Southwest Jiaotong University</b>	<b>Condition assessment: make a safe decision with European standard and big data analytics</b>  <b>Kaebin Tan</b> , <b>Cybersecurity Assessor, TÜV Rheinland</b>	
1200	<b>Rail Welding in Japan</b> <b>Hajime Ito</b> , Assistant Senior Researcher, Rail Welding, <b>Track Technology Division, Railway Technical Research Institute</b>	<b>Counting and Tracking Crowds in Surveillance Video</b> <b>Dr Antoni Chan</b> , Associate Professor, <b>City University of Hong Kong</b>	<b>Latest development on metro and tramway point machines</b>  <b>Lionel Hetzel</b> , Senior Sales Manager, <b>voestalpine SIGNALING Sainerholz GmbH</b>	<b>Tunneling Innovation on Shatin-Central Link</b>  <b>Francois Dudouit</b> , Project Director, <b>Vinci Construction Grands Projets</b>
1230	<b>Efficient asset management with railway diagnostic &amp; monitoring technologies</b> <b>Mathias Linden</b> , Project Leader, Competence Centre for the Assessment of Railway Diagnostic and Monitoring Technologies, <b>University of Koblenz-Landau</b>	<b>Price-directed cost sharing and demand allocation among service providers with multiple demand sources and multiple facilities</b> <b>Dr Yimin Yu</b> , Assistant Professor, <b>City University of Hong Kong</b>	<b>Reserved for Zhejiang Baosheng Railway</b>	
1300	<b>PANEL: Best practices in track maintenance and renewal</b> <b>Panellists:</b> <b>Quek Chin Hock</b> , Assistant Vice-President (Rail Engineering) & Head of Permanent Way & CS Department, <b>SBS Transit DTL</b>	<b>System Prognostics &amp; Health Management and Its Industrial Applications</b> <b>Dr Yang Zhao</b> , Scientific Officer, <b>City University of Hong Kong</b>	<b>Intelligence Industrial Video Analytics for Railway Operation</b> <b>Leong Yew Chiong</b> , Senior Solution Architect, <b>Orange Business Services Singapore</b>	<b>Planning, methodologies, design and implementation behind TOD: China Case Studies</b>  <b>Kelvin Li</b> , Director, <b>Leigh &amp; Orange</b>
1330	<b>Chung Wei-Li</b> , Chief Engineer, <b>Bureau of High Speed Rail, MOTC</b>	<b>Monitoring and Health Management of Rolling Element Bearings</b> <b>Dr Dong Wang</b> , Postdoctoral Fellow, <b>City University of Hong Kong</b>	TBC	
1400	<b>End of Track</b>	<b>Agent-based microscopic simulations of passenger flow in rail systems: when modelers meet practitioners</b> <b>Dr Shaobo Liu</b> , Associate Professor, <b>Wuhan University of Technology</b>	<b>End of Track</b>	<b>Five key drivers for modern metro station design (from inside to outside)</b>  <b>Jason Hutchings</b> , Senior Design Director, <b>Atkins</b>
1430		<b>Dr Weili Wang</b> , Lecturer, <b>Shanghai Maritime University</b>		
1500	<b>End of Day Two</b>			



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