



CELEBRATING 20 YEARS

AsiaPacificRail 2018

20-21 March 2018
Hong Kong Convention & Exhibition Centre

Preliminary Agenda

SPARK SOMETHING
TERRAPINN 

AGENDA AT A GLANCE

Day One: Tuesday 20 March, 2018			
Opening Keynote Plenary			
Exhibition Visit & Networking Refreshments			
Metro Project Updates <i>Project leaders share updates on upcoming metro projects in Asia-Pacific</i>	Signalling & Communications <i>Learn more about CBTC best practices and the latest communication technologies</i>	Asset Management & Rolling Stock <i>Managing your ageing assets with big data and condition monitoring</i>	Rail Freight <i>Improving the competitiveness of rail freight through new freight corridors and efficiency measures</i>
Southeast Asia	Latest Technologies in Signalling	Innovation in Asset Management	Modernisation of Freight Corridors
Networking Lunch & Exhibition Visit			
China	Communications	Asset Renewal	Rail Freight Efficiency
India	Rail Systems & Communications	Rolling Stock	Rail Freight Leaders Panel
Exhibition Visit & Networking Refreshments			
Keynote Plenary			
Networking Drinks Reception			
Day Two: Wednesday 21 March, 2018			
Keynote Plenary			
Exhibition Visit & Networking Refreshments			
Operations & Maintenance <i>Best practices in achieving operational excellence and the use of sensors, IoT and big data in rail maintenance</i>	Signalling & Communications <i>Learn more about CBTC best practices and the latest communication technologies</i>	Passenger Experience <i>Learn more about the digital transformation of passenger experience and best practices on public transport security</i>	Mainline <i>Enhancing regional connectivity with new HSR and intercity developments</i>
Operational Efficiency	Resignalling Best Practices	Smart passenger experience	New High Speed Rail Corridors
Networking Lunch & Exhibition Visit			
Rail Maintenance: Latest Technologies & Best Practices	Signalling	Passenger Security & Safety	High Speed Rail Sustainability
Best Practices in Operations	Communications Security		Intercity
Close of Asia Pacific Rail 2018			

CONFIRMED SPEAKERS FOR 2018 INCLUDE:

1. **Simon Wrench**, Industry Solutions Specialist, **ABB**
2. **Syahrudin Sofyan**, Design, Civil Engineering & Trackwork Manager, LRT Department, **Adhi Karya**
3. **Ian Whitton**, Industry Director – Rail, **AECOM**
4. **Perran Coak**, Technical Director, Transportation, **AECOM**
5. **Jason Wong**, CEO Asia, **Axonvibe**
6. **Greg Yager**, Senior Vice-President, **CallisonRTKL**
7. **Lakthan Thongnopakoon**, Assistant Managing Director, Project Management & Development Group, **Bangkok Expressway and Metro Public Company Limited**
8. **Shaun Kenny**, President – Asia Pacific, **Bechtel**
9. **Juergen Maier-Gyomlay**, Head of International Affairs and Projects, **BLS Cargo AG**
10. **Sung Hung Kung**, Chief of Section, **Bureau of High Speed Rail, MOTC**
11. **Chung Wei-Li**, Chief Engineer, **Bureau of High Speed Rail, MOTC**
12. **Liu Chiu Liang**, Director of Systemwide E&M Project Office, **Department of Rapid Transit Systems, Taipei City Government**
13. **Rolf Härdi**, CTO, **Deutsche Bahn AG**
14. **Andrew Shields**, Project Director, **Farrells**
15. **Koen Soenens**, Business Development Director, **FLIR ITS**
16. **Prof Lee Kang Kuen**, Professor of Transportation Practice, Department of Electrical Engineering, **Hong Kong Polytechnic University**
17. **Dr. Michael Liu**, Senior Scientific Officer, **Hong Kong Polytechnic University**
18. **Akhil Agrawal**, Director General (Signalling & Telecoms), **Indian Railways**
19. **Hermanto Dwiattmoko**, Chairman, **Indonesian Railway Society (MASKA)**
20. **Koji Nishimura**, General Manager, Overseas Business Office, Railway Business Headquarters, **Japan Freight Railway Company**
21. **CS Chang**, Chairman & Director, **Key Direction Limited**
22. **Nikhil Swami**, Executive Engineer (S&T), **Kolkata Metro Rail Corporation**
23. **Ismail Said**, General Manager, Project Management, **KTMB**
24. **Kholel Manaf**, General Manager, Fleet Maintenance & Engineering, **KTMB**
25. **Dr. Prodyut Dutt**, Chief Development Officer, **Land Public Transport Commission (SPAD)**
26. **Zakaria Md Tap**, Head, Transit Acquirer Division, **Land Public Transport Commission (SPAD)**
27. **Silvester Prakasam**, Senior Advisor, Fare System, **Land Transport Authority**
28. **Kelvin Li**, Director, **Leigh & Orange**
29. **Randy Sac**, Head – Information Management & Technology, **Light Rail Manila Corporation**
30. **Carolyn Garduce**, Division Manager, AFCS Revenue Reconciliation & Settlement, **Light Rail Transit Authority**
31. **Mahesh Savkur**, Chief Telecom Expert, **Lucknow Metro Rail Corporation**
32. **Dr. Somprasong Suttayamully**, Director, Fare Media Office, **Mass Rapid Transit Authority of Thailand**
33. **Sahadev Singh Rath**, Director, Project & Planning, **MEGA Co. Ltd**
34. **Amit Gupta**, General Manager, Corporate Planning, **MEGA Co. Ltd**
35. **Jayantha Gunathilake**, Additional Secretary (Engineering), **Ministry of Highways & Higher Education, Sri Lanka**
36. **Dr. Pichet Kunadhamraks**, Director, Bureau of Rail System Development Office, Office of Transport and Traffic Policy and Planning, **Ministry of Transport Thailand**
37. **Dr. Padet Praditphet**, Director, Common Ticketing Office, Office of the Transport & Traffic Policy & Planning (OTP), **Ministry of Transport Thailand**
38. **Roland Chan**, Rail Architect, **MOXA Inc**
39. **Calvin Chuko**, Product Manager, **MOXA Inc**
40. **Ouk Sota**, Deputy Director of Railways, **Ministry of Public Works and Transport**
41. **Ofelia Astrera**, Chief, Technical Training/AFCS Office/IT Section, **Manila Metro Rail Transit System (MRT3)**
42. **Yanto Yulianto**, Head of Signaling, Telecommunication & IT Department, **MRT Jakarta**
43. **Lincoln Leong**, Chief Executive Officer, **MTR Corporation**
44. **Dr. Jacob Kam**, Managing Director – Operations & Mainland Business, **MTR Corporation**
45. **Adi Lau**, Operations Director, **MTR Corporation**
46. **Dr. Philco Wong**, Projects Director, **MTR Corporation**
47. **Dr. Tony Lee**, Chief of Operations Engineering, **MTR Corporation**
48. **Wilson Shao**, General Manager – Beijing & Tianjin, China & International Business, **MTR Corporation**
49. **Richard Keefe**, General Manager – Rolling Stock Fleet, **MTR Corporation**
50. **Andrew Mead**, Chief Architect, **MTR Corporation**
51. **Dr. Lawrence Lee**, Senior Construction Engineer, **MTR Corporation**
52. **Philip Wong**, Chief Signal Engineer (Operations), **MTR Corporation**
53. **Stanley Wong**, Permanent Way Integrity Manager, **MTR Corporation**
54. **Eric Yeung**, AFC & SAMS Engineering Manager, **MTR Corporation**
55. **C.C Chang**, Committee Member, **New Taipei City Light Rail System**; Professor, Department of Transportation & Logistics Management, **Chung Hua University**
56. **Zhu Bin**, General Manager, **Nanjing Metro Group**
57. **Andrea Giuricin**, Special Advisor, **NTV-Italo**
58. **Junn Magno**, General Manager, **Philippine National Railway**
59. **Ahmad Nizam Mohamed Amin**, Chief Infra Services Officer, **Prasarana**
60. **Jeroen Weimar**, Chief Executive Officer, **Public Transport Victoria**
61. **Len Neist**, Chief Engineer, **Public Transport Victoria**
62. **Richard Anderson**, Managing Director, **Railway and Transport Strategy Centre, Imperial College London**
63. **Hajime Ito**, Assistant Senior Researcher, Rail Welding, **Track Technology Division, Railway Technical Research Institute**
64. **Hikaru Tanigawa**, Researcher, Track Structures and Geotechnology, **Track Technology Division, Railway Technical Research Institute**
65. **Abdul Mohsin Ibrahim Younes**, Chief Executive Officer, **Rail Agency, Roads and Transport Authority**
66. **Bukhari Mohamed**, Project Director, **Rapid Rail**
67. **Lim Thiam Siew**, Assistant Vice President, **SBS Transit DTL**
68. **Quek Chin Hock**, Assistant Vice-President (Rail Engineering) & Head of Permanent Way & CS Department, **SBS Transit DTL**
69. **Anson Lim**, Head, SMRT Safety & Inspectorate, **SMRT Corporation**
70. **Roger Lim**, Vice-President, Circle Line & BPLRT Operations, **SMRT Trains**
71. **Dr. Chia Wee Lee**, Deputy Director, Rolling Stock Workshop, **SMRT Trains**
72. **Pierre Messulam**, Vice President, **SNCF Transilien**
73. **Stewart Mills**, Executive Director – Engineering and Maintenance, **Sydney Trains**
74. **Andrew McNaughton**, Chief Operating Officer, **Systra**
75. **Olivier Bancel**, Asset Management VP, **Systra**
76. **Kuo Tsair-Ming**, Vice President, **Taipei Rapid Transit Corporation**
77. **James Shi**, Assistant Vice President, Head of Operation Sub-Division, **Taiwan High Speed Rail**
78. **Chao Liu**, Chief Engineer, **Traffic Control Technology**
79. **Alok Jain**, Managing Director, **Trans-Consult Asia**
80. **Steven Lai**, Director, Infrastructure, China Region, **WSP**
81. **Mark Swales**, Director, **WSP**

DAY ONE: TUESDAY 20 MARCH 2018

Opening Keynote Plenary: Rail Leadership				
08:50	Organiser's Welcome Remarks			
09:00	Chair's Opening Remarks			
09:10	Keynote Interview: Lincoln Leong, Chief Executive Officer, MTR Corporation Future of railway in Hong Kong and beyond: MTR's expansion strategy			
09:25	Keynote Interview: Jeroen Weimar, Chief Executive Officer, Public Transport Victoria Transforming the public transport network in Melbourne			
09:40	Keynote Interview: Abdul Mohsin Ibrahim Younes, Chief Executive Officer, Rail Agency, Roads and Transport Authority Dubai's rail transport journey and beyond			
09:55	Rail Leaders' Panel: 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: - How can rail authorities and operators work more closely with each other to enhance service reliability and passenger satisfaction? - What is a sustainable and profitable model to manage rail development and daily operations? - With the expansion of rail networks in the next decade, what can be done to build up our rail engineering capabilities and workforce? - How can we deliver more capacity through the effective use of staff, assets and systems? - The urban mobility landscape is evolving with on-mobility demand services and new technologies, how can rail operators respond to this changing landscape? PANELLISTS: Lincoln Leong , Chief Executive Officer, MTR Corporation Jeroen Weimar , Chief Executive Officer, Public Transport Victoria Abdul Mohsin Ibrahim Younes , Chief Executive Officer, Rail Agency, Roads and Transport Authority			
10:30	Title Sponsor Address			
10:50	Exhibition Visit & Networking Refreshments			
	Metro Project Updates	Signalling & Communications	Asset Management & Rolling Stock	Rail Freight
	Conference Chair: Perran Coak , Technical Director, Transportation, AECOM	Conference Chair: Chao Liu , Chief Engineer, Traffic Control Technology	Conference Chair: Prof Lee Kang Kuen , Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University	Conference Chair: Ian Whitton , Industry Director – Rail, AECOM
	Southeast Asia	Latest technologies in Signalling	Innovation in Asset Management	Modernisation of Freight Corridors
11:30	Klang Valley MRT: Boosting connectivity in Kuala Lumpur Metropolitan Area - How will KVMRT shape the urban mobility landscape and boost efficiency of public transport in Greater KL? - MRT Line 2: Key construction and operational timelines - MRT Line 3: Opportunities for collaboration	Urban Rail Transportation Signalling System - Integrating with the characteristics of CBTC system and operational needs - Meeting requirements of operation that is safe, reliable and energy-saving - Providing a variety of combination of control levels with multiple driving modes Reserved for Traffic Control Technology	Foresighted Asset Management Strategy - Creating accurate long-term forecasts of asset condition by analysing historical and current data - Achieving foresight in asset management through novel prognostic technologies - Equipping rail operators the ability to make decisions on optimal asset deployment and maintenance planning	Modernisation and expansion of Philippine National Railway - Opportunities to meet Philippines' transport connectivity requirements - Optimising existing resources to improve mainline efficiency - How will Philippines Railways continue to modernize the railways and raise passenger volumes?

			Dr. Tony Lee, Chief of Operations Engineering, MTR Corporation	Junn Magno, General Manager, Philippines National Railway
11:50	Overcoming capacity challenge in Bangkok: An update on the Mass Transit Master Plan - As Bangkok's metro network is set for expansion, what are the new projects planned for development under the Mass Transit Master Plan? - Exploring opportunities for collaboration in the delivery of new lines - What's the progress of lines under construction - - Blue Line, Sukhumvit Line, Dark & Light Red Lines Dr. Somprasong Suttayamully, Director, Fare Media Office, Mass Rapid Transit Authority of Thailand	Fault analysis of CBTC systems Reserved for Traffic Control Technology	Extending life cycle of assets with condition monitoring and predictive analytics - Identifying high risk stages in rail asset life cycle using big data - How can we ensure the quality and reliability of insights from predictive analytics? - Extending life cycle of assets through preventive digital monitoring	Modernisation of Indonesia's railways to drive economic development - Key projects and timelines in upgrading and building new freight lines to expand capacity? - Collaboration opportunities with the private sector Hermanto Dwiatmoko, Chairman, Indonesian Railway Society (MASKA)
12:10	Building a sustainable urban transport system in Philippines - An introduction to the current urban transport situation in the Philippines - What are the new plans and development to enhance urban mobility in the Philippines? - Collaboration with private sector in infrastructure building	Confidence assessment on safety case of high speed rail signalling systems Reserved for Traffic Control Technology	Connected Asset Lifecycle Management for Rail Simon Wrench, Industry Solutions Specialist, ABB	Rehabilitating Cambodia's railway networks to build regional connectivity - What plans have been identified to upgrade Cambodia's rail infrastructure to cope with increasing freight demand? - How will such upgrades be financed? - What are the challenges involved? Ouk Sota, Deputy Director of Railways, Ministry of Public Works and Transport
12:30	Reserved for Bombardier	Managing operational challenges in migration Reserved for Traffic Control Technology	Defining transport capability using systems engineering to assure asset integrity <i>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.</i> Len Neist, Chief Engineer, Public Transport Victoria	
12:50	Networking Lunch & Exhibition Visit			

	China	Communications	Asset Renewal	Rail Freight Efficiency
	Conference Chair: Perran Coak , Technical Director, Transportation, AECOM	Conference Chair: CS Chang , Chairman & Director, Key Direction Limited	Conference Chair: Prof Lee Kang Kuen , Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University	Conference Chair: Ian Whitton , Industry Director – Rail, AECOM
14:00	Lessons learnt from investing and operating in Mainland China - Opportunities arising from the metro boom in China - What are the challenges of investing and operating in China? - Achieving high operational reliability and customer satisfaction Wilson Shao , General Manager – Beijing & Tianjin, China & International Business, MTR Corporation	Wireless networks for passenger rail - How are rail operators keeping pace with real-time communication demand - Finding the best broadband wireless technology for a rail system - Case studies of cutting-edge deployments	Developing a robust RAMS management system: A case study on Taipei Metro - Designing and implementing a comprehensive asset management system - Managing asset renewal cycles for shorter life assets vs. longer life assets - Strategic organization planning to ensure high quality asset management C.C Chang , New Taipei City Light Rail System Committee Member; Professor, Department of Transportation & Logistics Management, Chung Hua University	Towards sustainable rail freight operations: A case study on BLS Cargo - What political and strategical initiatives have been put in place to improve operations and efficiency? - Raising freight volumes to maximise value and customer satisfaction delivered from freight service - How has technology and process help to improve performance, productivity and profitability? Juergen Maier-Gyomlay , Head of International Affairs and Projects, BLS Cargo AG
14:20	Expansion of Nanjing Metro to meet increasing passenger numbers - Managing 7 metro lines with a daily ridership of 3 million - What are the new projects planned for construction from 2018 to 2023? - Best practices adopted on Nanjing Metro Zhu Bin , General Manager, Nanjing Metro Group	Challenges and Solutions for re-signalling a CBTC WLAN Radio - Challenges in re-signaling a CBTC radio system - Optimized solutions to overcome packet loss and frequency hopping - Real case sharing Calvin Chuko , Product Manager, MOXA Inc	PANEL: Key considerations in Asset Renewal – Balancing Investment, Risk and Cost - 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? - What are the best practices in life cycle costing and asset renewal planning? - How do we structure cost, funding and investment effectively to ensure the sustainability of rail assets? - How will rail asset management evolve with the application of new technology in the next 5-10 years? MODERATOR: Prof Lee Kang Kuen , Professor of Transportation Practice, Department of Electrical Engineering, Hong Kong Polytechnic University PANELLISTS:	Meeting the rising demand of Asia's freight industry - Tapping on opportunities to establish greater intermodal and border connectivity - Meeting the growth of Asian import and export demands - Plans for system improvement, upgrading and modernizing of locomotives fleet Koji Nishimura , General Manager, Overseas Business Office, Railway Business Headquarters, Japan Freight Railway Company
14:40	Development of Chengdu's metro network - Rapid expansion of Chengdu's network with 350km of subway lines under construction - Key completion timelines and collaboration opportunities - What are the latest technologies implemented on these new lines?	More than simple LTE: Next generation communications for your rail projects - How does LTE benefit rail communications and operations? - Supporting mission-critical applications permanently, under all circumstances (extreme radio coverage conditions or when train is running at full speed) - Tackling migration challenges during LTE platform integration		Transforming KTMB: Capabilities and Experience in Managing the Modernization of Railway Infrastructure - Optimising the freight performance of intensively utilized mixed-traffic rail network to facilitate efficient operations - How can freight trunk routings be optimized to minimise passenger/freight conflicts? - Upgrading network capability to increase freight capacity

			• Dr. Tony Lee, Chief of Operations Engineering, MTR Corporation • C.C Chang, New Taipei City Light Rail System Committee Member; Professor, Department of Transportation & Logistics Management, Chung Hua University • Len Neist, Chief Engineer, Public Transport Victoria	Ismail Said , General Manager, Project Management, KTMB
	India	Rail Systems & Communications	Rolling Stock	Rail Freight Leaders Panel
15:00	Nagpur Metro: Progressing from tracks to trials • Fastest metro project to reach the trial run stage in India • Greenest metro in India – Pioneer in the adoption of solar energy generation and bio digester technology • Plans for extension and collaboration opportunities	Advanced systems integration in major rail projects • What is the systems integration management process for design and construction for major rapid transit systems? • Main challenges in managing a structured interface design and integration process • How can we ensure cooperation among different interfacing parties? Liu Chiu Liang, Director of Systemwide E&M Project Office, Department of Rapid Transit Systems, Taipei City Government	Improving performance and cost-effectiveness of rolling stock fleets with condition-based monitoring • What are the latest condition-based monitoring tools? • Adopting condition monitoring and predictive maintenance to improve fleet reliability and safety • How do they help in reducing life cycle costs? Richard Keefe, General Manager – Rolling Stock Fleet, MTR Corporation	Rail Freight Leaders Panel: Perspectives into industry dynamics and global emerging trends • What role does rail play in intermodal freight? • How should authorities, operators and other stakeholders be collaborating to deliver end-to-end freight services? • Accelerating the rail freight network in the region to gain greater market share • What are the key challenges towards achieving sustainable development? PANELLISTS: • Juergen Maier-Gyomlay, Head of International Affairs and Projects, BLS Cargo AG • Koji Nishimura, General Manager, Overseas Business Office, Railway Business Headquarters, Japan Freight Railway Company MODERATOR: Ian Whitton, Industry Director – Rail, AECOM
15:20	Improving urban mobility in Gujarat: Construction progress of Ahmedabad Metro (MEGA) • Constructing a mass-transit rail system for the cities of Ahmedabad and Gandhinagar • Construction progress – towards a completion target of 2020 • Financing the project by JICA Co-Presenters: Sahadev Singh Rathi, Director, Project & Planning, MEGA Co. Ltd Amit Gupta, General Manager, Corporate Planning, MEGA Co. Ltd	Practices in System Transfer and Commissioning • Establishing a systematic systems integration process to meet time and budget constraints • Strategies for managing interface design and systems transfer • Commissioning of systems: Challenges encountered and solutions development Reserved for Teltronic	Adopting IEC 61375 in IP train communication networks • Benefits of adopting IEC 61375 technologies • Real case sharing ○ Case 1: Applying ETBN in onboard multimedia and train to ground systems ○ Case 2: Applying ETBN in separate TCMS and multimedia systems Roland Chan, Rail Architect, MOXA Inc	
15:40	Launching Noida Metro: the fastest metro project build in India • Enhancing connectivity between the twin cities of Noida and Greater Noida • ‘Green’ metro – Powering stations, depot and offices with solar energy	Interface Integration and System Integration Testing • How to integrate various system interfaces and enforce a universal verification system to ensure that the	Data Analytics for Train Fleet Reliability Dr. Chia Wee Lee, Deputy Director, Rolling Stock Workshop, SMRT Trains	

	Preparation progress for opening in April 2018	entire metro system is up to operational standards - Nurturing a strong technical team to carry out system integration - Sharing of knowledge in assessment analysis and risk warnings from planning stage to on-site testing		
16:00	Exhibition Visit & Networking Refreshments			
	Closing Keynote Plenary			
16:40	Driving cost-effective growth in metro networks - What are the factors that affect metro costs within and outside operator control? - With the data on key cost drivers of operating costs, how can metro operators best target performance improvement initiatives? - How can funding be optimised to generate maximum value? Richard Anderson, Managing Director, Railway and Transport Strategy Centre, Imperial College London			
17:00	The future is digital, transformation is now - The digital future has already started. Where are we now? Where are we heading tomorrow? - Deutsche Bahn's approach to digital transformation and overcoming challenges - Digital innovations to deliver our vision of a seamless passenger experience - How can transport companies collaborate with each other to be more successful in the digital age? - How can traditional technologies benefit from digital technologies and vice versa? Rolf Härdi, CTO, Deutsche Bahn AG			
17:20	Networking Drinks Reception			

DAY TWO: WEDNESDAY 21 MARCH 2018

	Opening Keynote Plenary			
08:50	Organiser's Welcome Remarks			
09:00	Chair's Opening Remarks Andrew McNaughton, Chief Operating Officer, Systra			
09:10	A Rail Transport Perspective of the Guangzhou-HK-Macau Greater Bay Area Development - Development of a city cluster in the Guangdong- Hong Kong-Macau Greater Bay Area - Boosting urban connectivity and economic cooperation between Hong Kong, Macau and 9 cities in Guangdong province - Tapping into opportunities: What is MTR's expansion strategy into Mainland China? Dr. Jacob Kam, Managing Director – Operations & Mainland Business, MTR Corporation			
09:30	Keynote Panel: Towards long-term sustainability of railway operations - How can modern metros ensure financial sustainability and sufficient funds for asset upgrade and renewal? - As labour costs increase, how can rail operators offset rising costs with revenue growth and increased productivity? - How can rail authorities and operators work more closely together in ensuring long-term financial and quality sustainability? - Building 'liveable' communities: Building railways that connect with and complement the urban development of a city PANELLISTS: Adi Lau, Operations Director, MTR Corporation Dr. Prodyut Dutt, Chief Development Officer, Land Public Transport Commission (SPAD)			

	Stewart Mills, Executive Director – Engineering and Maintenance, Sydney Trains MODERATOR: Richard Anderson, Managing Director, Railway and Transport Strategy Centre, Imperial College London			
10:10	Platinum Sponsor Address			
10:30	Exhibition Visit & Networking Refreshments			
	Operations & Maintenance	Signalling & Communications	Passenger Experience	Mainline
	Conference Chair: Andrew McNaughton, Chief Operating Officer, Systra	Conference Chair: CS Chang, Chairman & Director, Key Direction Limited	Conference Chair: Alok Jain, Managing Director, Trans-Consult Asia	Conference Chair: Ian Whitton, Industry Director – Rail, AECOM
	Operational Efficiency	Resignalling Best Practices	Smart Passenger Experience	New High Speed Rail Corridors
11:30	Enhancing the operational efficiency of Sydney's rail systems - Adopting Advanced Train Control systems and technologies on the Sydney Trains network - Delivering cost-effective operations and safety improvements - Technology initiatives to reduce lifecycle costs and improve reliability Stewart Mills, Executive Director – Engineering and Maintenance, Sydney Trains	Navigating operational risks in resignalling of high-capacity metros - How to ensure uninterrupted daily operations during in-progress updates - Measures taken during construction and trial period - Updating staff's knowledge of both new and existing systems for operation and maintenance - How to resolve system instabilities Philip Wong, Chief Signal Engineer (Operations), MTR Corporation	Enhancing passenger mobility with big data - How can different modes of public transportation be seamlessly integrated to provide smoother commuter journeys? - Providing developers free access to public transport data to create useful apps for passengers - Future outlook: How can transport authorities utilise big data to develop a smart transport system? Dr. Prodyut Dutt, Chief Development Officer, Land Public Transport Commission (SPAD)	Connecting Hong Kong to China's national high speed rail network: An update on Express Rail Link - Launching the Express Rail Link in the 3rd quarter of 2018 - What are the key construction challenges and how were they overcome? - Integrated testing and cross-boundary dynamic testing of train sets Dr. Philco Wong, Projects Director, MTR Corporation
11:50	Latest innovations in enhancing operational efficiency - Delivering cost-effective operations and safety improvements - Reducing lifecycle costs and improving service reliability Reserved for Alstom	Signalling Experts Panel: Best Practices in upgrading to CBTC Systems - 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? - Strategies to manage disruption to passenger services during the testing phase - How can we overcome the challenge of limited engineering hours in testing the new system?	Delight your passengers – Providing a seamless and contextual mobile experience <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> Jason Wong, CEO Asia, Axonvibe	Thailand's high speed rail ambitions – Connecting Bangkok to Nakhon Ratchasima - Building Thailand's first high-speed rail link with a target operation date in 2020 - Project timelines and collaboration opportunities - Future expansion plans – vision of linking with China- Laos Railway Dr. Pichet Kunadhamraks, Director, Bureau of Rail System Development Office, Office of Transport and Traffic Policy and Planning, Ministry of Transport Thailand

12:10	Driving innovation in O&M management: A case study on Taiwan HSR - Introduction of innovative initiatives in operation, maintenance, contingency and depot management - How has the introduction of smart railway systems improve operational efficiency for Taiwan HSR? - Benefits gained in adopting smart practices James Shi, Assistant Vice President, Head of Operation Sub-Division, Taiwan High Speed Rail	PANELLISTS: Philip Wong, Chief Signal Engineer (Operations), MTR Corporation MODERATOR: CS Chang , Chairman & Director, Key Direction Limited	A rainbow connection - Differentiating Hong Kong's MTR stations with a palette of colours - Why is every Hong Kong MTR station a different colour? - Curating the station experience – Integrating functional artwork and meaningful colours - Visioning stations of the future Andrew Mead, Chief Architect, MTR Corporation	Kuala Lumpur-Singapore High Speed Rail: Project Updates - Tender timeline: What are the opportunities for collaboration? - Managing large-scale land acquisition: What are the key challenges? - Community engagement: How do we manage stakeholders who will be affected by the land acquisition and construction?
12:30	Networking Lunch & Exhibition Visit			
	Rail Maintenance: Latest technologies & Best practices	Signalling	Passenger Security & Safety	High Speed Rail Sustainability
14:00	Asset Maintenance: In-house or outsourced? - What are the key factors to be considered when contracting out? - Evaluating financial sustainability and tangible benefits in outsourcing asset maintenance - How can contractors' efficiency for cost cutting and performance improvements be tapped upon? Ahmad Nizam Mohamed Amin, Chief Infra Services Officer, Prasarana	Integration and upgrading of Taipei Metro's signalling system Kuo Tsair-Ming, Vice President, Taipei Rapid Transit Corporation	Building emergency preparedness – Implementing a sound crisis management plan - How can metro stations be made less vulnerable to attacks? - Anticipating and planning for emergencies and attacks - Kicking in contingency plans: How can resources be mobilized effectively? - How can AI be adopted for additional security monitoring? Anson Lim, Head, SMRT Safety & Inspectorate, SMRT Corporation	Operational & Financial Sustainability of South Korea's High Speed Rail Network - What are the key lessons gained from Korea's experience with high speed rail? - How has HSR helped South Korea to achieve greater balance in its socio-economic development? - Plans for network expansion
14:20	Optimising reliability and return of investment through efficient operations Reserved for Sponsor	Implementation of new signalling technology on Indonesia's railway systems Yanto Yulianto, Head of Signaling, Telecommunication & IT Department, MRT Jakarta	Securing metros from terrorist threats - How can rail operators mitigate the threat of terror attacks? - What are the initiatives implemented to increase security? - Establishing collaboration and close partnership with government security forces	Lessons from Taiwan High Speed Railway – Strategies to promote sustainable growth The Taiwan High Speed Railway Project is one of the largest privately managed and funded Build-Operate-Trans projects in the world. - BOT financial model and its application in the railway - Overcoming the legal, administration and financial issues in the collaboration - What can other emerging high speed rail projects learn from the Taiwan HSR experience? Sung Hung Kung, Chief of Section, Bureau of High Speed Rail, MOTC

14:40	Digitalisation of the railways – SMRT’s development on future systems Reserved for Ng Bor Kiat, Chief Technology Officer & Senior Vice President, Future Systems, SMRT Trains	Indian Railways’ New Initiatives in Signalling - Development of Railway Signalling in India - Signalling – Design Philosophy - New Signalling Initiatives and Future Directions Akhil Agrawal, Director General (Signalling & Telecoms), Indian Railways	Enforcing high standards of safety through government regulations - What are the major railway safety concerns? - Strategies adopted to enforce and maintain high standards - Adopting a stringent regime to enforce rail safety	38 Years of HSR with SNCF: Best practices on operational sustainability - What are the key lessons gained from SNCF’s experience in operating HSR? - How does SNCF establish itself in Europe’s competitive landscape? - What can new HSR operators in Asia learn from SNCF in ensuring financial sustainability?
	Best Practices in Operations	Communications Security	Passenger Security & Safety	Intercity
15:00	Big data methodology for operation and infrastructure design - Using big data analysis to test timetables compatibility with infrastructure design - How can big data help in improving the robustness of operations planning? - Overcoming challenges in working with big data – in terms of data processing and analysis Pierre Messulam, Vice President, SNCF Transilien	Managing and implementing practical information technology security in railway communications system - Introduction to the risk and security vulnerabilities in rail systems - Creating a railway IT security management framework for communications system - Managing vulnerabilities in OT system - Sharing of best practices in IT security Lim Thiam Siew, Assistant Vice President, SBS Transit DTL	PANEL: Building security resilience and readiness in public transport systems - Making security a priority in the structure and culture of the organization - Raising general security awareness and knowledge in handling of critical situations among operational and security staff - Strategies on risk assessment, response planning and crisis communication - Strengthening collaboration with security enforcement agencies PANELLISTS: Anson Lim, Head, SMRT Safety & Inspectorate, SMRT Corporation MODERATOR: Alok Jain, Managing Director, Trans-Consult Asia	Modernisation and expansion of Sri Lanka’s railways - Upcoming developments in Sri Lanka – Proposed Railway Electrification Project & Light Rail Transit in Colombo - Optimising existing resources to improve mainline efficiency - How will Sri Lanka Railways continue to modernize the railways and raise passenger and freight volumes? Jayantha Gunathilake, Additional Secretary (Engineering), Ministry of Highways & Higher Education, Sri Lanka
15:20	Re-engineering of Traction System for Rolling Stock: The KTMB Experience Kholel Manaf, General Manager, Fleet Maintenance & Engineering, KTMB	Implementing information security in railway communications systems - What are the unique challenges that rail operators face in relation to cyber security? - How can we protect systems from attacks across different silos? - Understanding the continued difficulties in an increasingly digitalized network Randy Sac, Head – Information Management & Technology, Light Rail Manila Corporation	PANELLISTS: Anson Lim, Head, SMRT Safety & Inspectorate, SMRT Corporation MODERATOR: Alok Jain, Managing Director, Trans-Consult Asia	Upgrading Vietnam’s intercity networks - Opportunities to meet Vietnam’s transport connectivity requirements - Optimising existing resources to improve mainline efficiency - How will Vietnam Railways continue to modernize the railways and raise passenger volumes?
15:40	Computerised Maintenance Management Systems for Railways using Big Data	Mitigating Security Challenges of Communication Based Signalling System in Metro Nikhil Swami, Executive Engineer (S&T), Kolkata Metro Rail Corporation		
16:00	Close of Asia Pacific Rail 2018 – See you next year!			

On-Floor Seminar Agenda (open to trade visitors) Day One – Tuesday, 20 March 2018				
Time/ Track	Seminar Theatre 1 – Track Infrastructure	Seminar Theatre 2 - Rail revenue & ticketing	Seminar Theatre 3: Latest Technologies	Seminar Theatre 4: Construction, Tunnelling & Project Management
1100	SBS Transit's best practices in track inspection and maintenance Quek Chin Hock , Assistant Vice-President (Rail Engineering) & Head of Permanent Way & CS Department, SBS Transit DTL	Innovative smart ticketing to improve passenger experience Silvester Prakasam , Senior Advisor, Fare System, Land Transport Authority	Reserved for TUV RHEINLAND	Mitigating construction challenges in building Jakarta's first LRT line Syahrudin Sofyan , Design, Civil Engineering & Trackwork Manager, LRT Department, Adhi Karya
1130	Optimising track maintenance in limited maintenance windows Reserved for Wilson Acoustics	The future of smart ticketing Reserved for INIT	Reserved for OTN SYSTEMS	
1200	Maintenance and renewal of legacy tracks Stanley Wong , Permanent Way Integrity Manager, MTR Corporation	Overview and updates of Thailand's common ticketing system Dr. Padet Praditphet , Director, Common Ticketing Office, Office of the Transport & Traffic Policy & Planning (OTP), Ministry of Transport Thailand	How thermal camera technology can improve safety and efficiency in public transport Koen Soenens , Business Development Director, FLIR ITS	BIM and Asset Management Olivier Bancel , Asset Management VP, Systra
1230	Track maintenance requirements during design, construction phase and before operations Reserved for SUNDV	Key considerations in replacement and upgrading of fare collection systems Reserved for ACCESS IS	Reserved for JR EAST	
1300	New innovations and measures to slow down track degradation Chung Wei-Li , Chief Engineer, Bureau of High Speed Rail, MOTC	Manila's integrated ticketing system Ofelia Astrera , Chief, Technical Training/AFCS Office/IT Section, Manila Metro Rail Transit System (MRT3)	Reserved for TUV SUD	Development of an Artificial Neural Network for Optimization of Tunnel Blasting Design Dr. Lawrence Lee , Senior Construction Engineer, MTR Corporation
1330	Implementation of track-based sensors Reserved for Linsinger	Facilitating end-to-end travel capability for the traveller Reserved for Masabi	Reserved for LANTECH	
1400	Experience from resleepering & 3 rd rail replacement project Roger Lim , Vice-President, Circle Line & BPLRT Operations, SMRT Trains	Technology and operations for AFC systems in MTR Eric Yeung , AFC & SAMS Engineering Manager, MTR Corporation	Reserved for ARES	120 years of project management & construction lessons Shaun Kenny , President, Asia Pacific, Bechtel
1430	Designing railway tracks for an enhanced life cycle operation	Mobility-as-a-service through account-based ticketing Reserved for Bytemark	Reserved for Teltronic	
1500	Track geometry maintenance vehicle system – A case study on Rapid Rail Bukhari Mohamed , Project Director, Rapid Rail	Modernising the fare revenue reconciliation system in the Philippines Reserved for Carolyn Garduce , Division Manager, AFCS Revenue Reconciliation & Settlement, Light Rail Transit Authority	Reserved for LEONI	Mitigating risks in underground construction and enhancing tunnel lifecycle
1530	Designing and engineering of tracks to handle increased traffic and axle loads	Future of ticketing – moving from smart cards to the cloud	Reserved for Wagner	

1600	New innovations and measures to slow down track degradation Reserved for Ajay Kumar, Director Standards/Track, Research Design & Standards Organisation, Ministry of Railways	Establishing a common ticketing system in Kuala Lumpur Zakaria Md Tap , Head, Transit Acquirer Division, Land Public Transport Commission (SPAD)	Reserved for exhibitor	Best practices in effective ground consolidation and tunnelling techniques
1630	Enhancing life cycle of track assets through re-sleepering	AFC ticketing system deployed in Lucknow Metro Mahesh Savkur , Chief Telecom Expert, Lucknow Metro Rail Corporation	Reserved for exhibitor	
1700	End of Day One			

On-Floor Seminar Agenda (open to trade visitors) Day Two – Wednesday, 21 March 2018				
Time/ Track	Seminar Theatre 1 – Track Infrastructure	Seminar Theatre 2 - Rail revenue & ticketing	Seminar Theatre 3: Latest Technologies	Seminar Theatre 4: Construction, Tunnelling & Project Management
1100	Solid-bed track with resilient sleepers Hikaru Tanigawa, Researcher, Track Structures and Geotechnology, Track Technology Division, Railway Technical Research Institute	Driving rail revenue with big data analytics	Reserved for Huawei	Best practices in designing mixed-use transit hubs Greg Yager, Senior Vice President, CallisonRTKL.
1130	Measures to mitigate rail traffic noise and vibration	Improving revenue management through customer loyalty programmes	Reserved for JR EAST	
1200	Rail Welding in Japan Hajime Ito, Assistant Senior Researcher, Rail Welding, Track Technology Division, Railway Technical Research Institute	Safety, Reliability and Disruption Management of High Speed Rail and Metro Systems Reserved for City University of Hong Kong	The future of HSR in Asia: Opportunities and lessons from the first cases of competition Andrea Giuricin, Special Advisor, NTV-Italo	Planning, methodologies, design and implementation behind TOD: China Case Studies Kelvin Li, Director, Leigh & Orange
1230	Track Health Assessment		Reserved for Zhejiang Baosheng Railway	
1300	Use of optical fibre networks in predictive maintenance of track infrastructure Dr. Michael Liu, Senior Scientific Officer, Hong Kong Polytechnic University		Reserved for exhibitor	Rail and Metro Tunnel Ventilation System <i>This session will cover the introduction of design parameters, design criteria, various tunnel ventilation system concepts, latest trends and challenges.</i> Steven Lai, Director, Infrastructure, China Region, WSP Mark Swales, Director, WSP
	1330		Innovations in track maintenance machinery	
1400	Automatic track inspection system		Reserved for exhibitor	High Speed Rail Station Design as Development Catalyst <i>This session will include a review of the development of the HSR Terminus Building Type and its relationship to urban development with case studies including Beijing South, Guangzhou South and the current design of the Singapore HSR.</i> Andrew Shields, Project Director, Farrells
1430	Identifying weakness in track system/ maintenance		Reserved for exhibitor	
1500	End of Day Two			



CELEBRATING 20 YEARS

AsiaPacificRail 2018

Innovation, technology & strategy for Asia Pacific's rail industry

Over the last 20 years, Asia Pacific Rail has brought together more than 20,000 rail leaders from across the globe for the most exclusive and influential railway gathering in the region. For our 20th anniversary edition in 2018, we're going even bigger, bringing you more rail operators, more content, more exhibitors, more networking, and above all, more opportunities for you to do business.

With 4 tracks of premium content covering metro projects, rolling stock, rail freight, signalling & communications, passenger experience, safety, asset management, track & infrastructure, revenue & ticketing, mainline projects, financing & funding and more, the 2018 premium conference will offer more opportunities than ever before to hear from the leading operators, authorities and solution providers in the region.

Visionary keynotes will lay the foundations for two days of intensive learning, discussion and networking. Leading C-Level executives will share case studies from across the world, ensuring you can learn from the best of the best. Plus we've got a busy exhibition floor, packed full of networking opportunities, product demonstrations and more.

Whether you're a railway operator, railway authority or a solution provider to the global railway industry, you need to join us as we lay the foundations for Asia's rail future.

Visit our website to find out more: <http://www.terrapinn.com/exhibition/asia-pacific-rail/>

To speak:

YunXuan Koh (yunxuan.koh@terrapinn.com, +65 6322 2703)

To sponsor:

Kym Chua (kym.chua@terrapinn.com, +65 6322 2702)

To attend:

Yee Lim Tan (yeelim.tan@terrapinn.com, +65 6322 2701)

