

ITS MALAYSIA INTERNATIONAL SEMINAR 2017

Driving ITS to A New Normal, 21 Feb - 23 Feb 2017

Seminar Programme

updated: 13 Feb 2017

Day 1: Tuesday (21 Feb 2017)						
0800	0900	Registration				
0900	1030	<p>PLENARY SESSION 1: CHALLENGES AND OPPORTUNITIES Moderator: Ir. Datuk Dr. Leong Siew Mun Y. Bhg. Dato' Ir. Ismail Bin Md Salleh (ITS Malaysia), Joe Lam (ITS Canada), Andrew Chow (ITS Singapore), John Sun (ITS Taiwan), Brian Hoeft (FAST, USA),</p>				
1030	1100	Refreshment Break				
1100	1230	<table border="0"> <tr> <td style="background-color: #FFD700; vertical-align: middle; text-align: center;">Nexus 3</td> <td style="background-color: #FFD700; padding: 5px;"> <p>Session A1: Tolling Technologies [Moderator : Brian Hoeft, Freeway and Arterial System of Transportation, USA]</p> <p>Paper A1-1: The Achievement and Challenges of Multi-Lane Free Flow Tolling in Malaysia [Tatsuya Higuchi, Mitsubishi Heavy Industries, Ltd]</p> <p>Paper A1-2: Best Practices in Tolling Enforcement and Policy [Wei Ping Ong, Conduent]</p> <p>Paper A1-3: RFID ETC Implementation Considerations [Sunny Ho, 3M] Paper A1-4: Optimised Efficiency on China's Toll Roads [Jenny Lim, Suzhou Transpeed Technologies Co. Ltd / AES]</p> </td> <td style="background-color: #90EE90; vertical-align: middle; text-align: center;">Nexus 2</td> <td style="background-color: #90EE90; padding: 5px;"> <p>Session B1: Telematics, Mapping / Social Initiatives [Moderator: Dato' Ir. Han Joke Kwang, ITS Malaysia]</p> <p>Paper B1-1: Using UAV Photogrammetry & 3D Laser Scanning for Better Road Design and Management [Wong Yew Soon, Jurukur Perunding Services Sdn Bhd]</p> <p>Paper B1-2: "Smart Technology": Performance Monitoring Hub System (PMHS) [Ahmad Radhi Maarof, SPAD]</p> <p>Paper B1-3: On-demand Public Transport Information Hub Paper B1-4 : Road Condition and Monitoring System utilizing Motorcycle motion [Ir.</p> </td> </tr> </table>	Nexus 3	<p>Session A1: Tolling Technologies [Moderator : Brian Hoeft, Freeway and Arterial System of Transportation, USA]</p> <p>Paper A1-1: The Achievement and Challenges of Multi-Lane Free Flow Tolling in Malaysia [Tatsuya Higuchi, Mitsubishi Heavy Industries, Ltd]</p> <p>Paper A1-2: Best Practices in Tolling Enforcement and Policy [Wei Ping Ong, Conduent]</p> <p>Paper A1-3: RFID ETC Implementation Considerations [Sunny Ho, 3M] Paper A1-4: Optimised Efficiency on China's Toll Roads [Jenny Lim, Suzhou Transpeed Technologies Co. Ltd / AES]</p>	Nexus 2	<p>Session B1: Telematics, Mapping / Social Initiatives [Moderator: Dato' Ir. Han Joke Kwang, ITS Malaysia]</p> <p>Paper B1-1: Using UAV Photogrammetry & 3D Laser Scanning for Better Road Design and Management [Wong Yew Soon, Jurukur Perunding Services Sdn Bhd]</p> <p>Paper B1-2: "Smart Technology": Performance Monitoring Hub System (PMHS) [Ahmad Radhi Maarof, SPAD]</p> <p>Paper B1-3: On-demand Public Transport Information Hub Paper B1-4 : Road Condition and Monitoring System utilizing Motorcycle motion [Ir.</p>
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1230	1400	Lunch				
1430	1545	<p>Opening Ceremony</p> <p>Welcome Speech by Chairman Organising Committee, Y. Bhg. Datuk Ir. Amir Kasim Speech by Hon. Minister of Works, Malaysia and Official Launch</p>				

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		Ne	Keynote Address by Y Bhg. Tan Sri. Dr. Ali bin Hamsa, Chief Secretary, Government of Malaysia
1545	1615		Launch of Exhibition / Refreshment Break
1615	1745	Nexus 3	<p>Session A2: Ticketing Systems, Enforcement [Moderator: Moderator: Joe Lam, ITS Canada]</p> <p>Paper A2-1: Safe and Open Roads with Average Speed Enforcement [Jan Linssen, ARS Traffic & Transport Technology BV]</p> <p>Paper A2-2: Implementation of Integrated Weigh-in-motion System for Direct and Automated Enforcement of Commercial Vehicle Weight Limits in Malaysia [Dr. Ahmad Saifizul, University of Malaya]</p> <p>Paper A2-3: RFID Technology for Intelligent Transportation Systems [Dato' Hj Roslan bin Hj Ramli, DNEX RFID Sdn Bhd]</p> <p>Paper A2-4: Single Image Traffic Estimation [Alvin Siah, Recogine Sdn Bhd]</p> <p>Paper A2-5: Application of Weigh in Motion technologies and a tire anomaly and classification system for road asset and infrastructure protection, heavy vehicle enforcement and safety [Rish Malhotra, International Road Dynamic, Inc., Canada]</p>
		Nexus 2	<p>Session B2: Public Transport [Moderator: Dr Yuen Choon Wah, University of Malaya]</p> <p>Paper B2-1: Smart Integrated Solutions for Public Transport [Travis Lee, BOSCH]</p> <p>Paper B2-2: Data Driven Simulation in Public Transport [Frederic Roulland, Xerox Research Center Europe]</p> <p>Paper B2-3: IT in MRT [Mas Mirza, MRT Corp]</p> <p>Paper B2-4: Seamless Travel on Public Transport [Wei Ping Ong, Conduent]</p>

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Day 2: Wednesday (22 Feb 2017)					
0900	1030	<p>PLENARY SESSION 2 Roundtable / Panel Discussion 2: EMBEDDING ITS INTO INDUSTRY - Getting the ITS Message Across Moderator: Dr. Jamilah binti Mohd Marjan. Panel Members: Dr Jan Linssen, Syahrnzam Samsudin, Goh Peng Ooi, Nor Fanim Mohamad Amin</p>			
1030	1100	Break			
1100	1230	<table border="1"> <tr> <td style="background-color: #FFD700; vertical-align: top;"> <p>Session A3: Big Data [Moderator: Pn. Nur Fanim, Land Public Transport Commission, Malaysia]</p> <p>Paper A3-1: Smart Cities - How Big Data is the Way Ahead [Eddie Lim, NCS Pte Ltd]</p> <p>Paper A3-2: MDEC Big Data Analytics Framework and Asean Data Analytics Exchange [William Yap, MDEC]</p> <p>Paper A3-3: The Application of Big (Traffic) Data to Transportation Operations and Planning in the Asia Pacific Region [Dr. Wm. H. (Bill) Sowell, Eberle Design Inc]</p> <p>Paper A3-4: Big Data in Large Integrated Security Systems [Claude Hochreutiner, BOSCH]</p> </td> <td style="background-color: #90EE90; vertical-align: top;"> <p>Session B3: E-Payments [Moderator: Datuk Ir. Dr. Leong Siew Mun, ITS Malaysia]</p> <p>Paper B3-1: Moving to the FinTech World [Goh Peng Ooi, Silverlake Group]</p> <p>Paper B3-2: Urban Mobility Powered by the New Digital Payment System [Syahrnzam Samsudin, Touch 'n Go Sdn Bhd]</p> <p>Paper B3-3: Explaining Open Payment Fare Systems [Wei Ping Ong, Conduent]</p> <p>Paper B3-4: Integrated Common Payment System (ICPS) for Public Transport in</p> </td> <td style="background-color: #ADD8E6; vertical-align: top;"> <p>Session C1: Research Presentations [Moderator: Edwin Goh, University of Nottingham, Malaysia]</p> <p>Paper C1-1: Alternative sensor based system to augment camera-based Vehicle Detection And Classification (VDAC) [Dr Madhavan Shamugavel, Monash University, Malaysia]</p> <p>Paper C1-2: A Comparative Analysis of Deep Convolutional Neural Network with Dimensionality Reduction Approach for Vehicle Logo Recognition (Ir David Chuah Joon Huang, University of Malaya]</p> <p>Paper C1-3: Spectrum sensing in licensed channels to increase channel capacity for ITS applications (Christopher Chembe, University of Malaya]</p> <p>Paper C1-4: Monitoring Air Quality for Health & Safety in Meru Menora Tunnel [A. N. Baharun, et al, PLUS]</p> </td> </tr> </table>	<p>Session A3: Big Data [Moderator: Pn. Nur Fanim, Land Public Transport Commission, Malaysia]</p> <p>Paper A3-1: Smart Cities - How Big Data is the Way Ahead [Eddie Lim, NCS Pte Ltd]</p> <p>Paper A3-2: MDEC Big Data Analytics Framework and Asean Data Analytics Exchange [William Yap, MDEC]</p> <p>Paper A3-3: The Application of Big (Traffic) Data to Transportation Operations and Planning in the Asia Pacific Region [Dr. Wm. H. (Bill) Sowell, Eberle Design Inc]</p> <p>Paper A3-4: Big Data in Large Integrated Security Systems [Claude Hochreutiner, BOSCH]</p>	<p>Session B3: E-Payments [Moderator: Datuk Ir. Dr. Leong Siew Mun, ITS Malaysia]</p> <p>Paper B3-1: Moving to the FinTech World [Goh Peng Ooi, Silverlake Group]</p> <p>Paper B3-2: Urban Mobility Powered by the New Digital Payment System [Syahrnzam Samsudin, Touch 'n Go Sdn Bhd]</p> <p>Paper B3-3: Explaining Open Payment Fare Systems [Wei Ping Ong, Conduent]</p> <p>Paper B3-4: Integrated Common Payment System (ICPS) for Public Transport in</p>	<p>Session C1: Research Presentations [Moderator: Edwin Goh, University of Nottingham, Malaysia]</p> <p>Paper C1-1: Alternative sensor based system to augment camera-based Vehicle Detection And Classification (VDAC) [Dr Madhavan Shamugavel, Monash University, Malaysia]</p> <p>Paper C1-2: A Comparative Analysis of Deep Convolutional Neural Network with Dimensionality Reduction Approach for Vehicle Logo Recognition (Ir David Chuah Joon Huang, University of Malaya]</p> <p>Paper C1-3: Spectrum sensing in licensed channels to increase channel capacity for ITS applications (Christopher Chembe, University of Malaya]</p> <p>Paper C1-4: Monitoring Air Quality for Health & Safety in Meru Menora Tunnel [A. N. Baharun, et al, PLUS]</p>
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<p>1400</p> <p>1530</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Nexus 3</p> <p>Paper A4-1: Transportation & Mobility: New Horizon of Data Driven Economy [Malaysian Automotive Institute]</p> <p>Paper A4-2: Electric Vehicle Management Systems [Shinichi Masumoto, ITS Malaysia]</p> <p>Paper A4-3: The Use of Analytics in Fleet Management [Wei Ping Ong, Conduent]</p> <p>Paper A4-4: Proven solutions to reduce road accidents that Malaysia should implement [Gerard Lim, Atilze Digital Sdn Bhd]</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Nexus 2</p> <p>Paper B4-1: Revolutionising Transport in Southeast Asia through OpenTraffic [Annabella Ng, GRAB]</p> <p>Paper B4-2: Analytics with Big Data for Intelligent Transport System [Dr. Keeratpal Singh, MIMOS]</p> <p>Paper B4-3: Are There Holes in Using Big Data [Mike Rose, Wavetronix]</p> <p>Paper B4-4: Supporting Multimodal Travels [Frederic Roulland, Xerox Research Center Europe]</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Nexus 1</p> <p>WS-1 : Streetlytics – A Mobility Analytics System [Citilabs Inc, Luke Chen]</p> <p>WS-2: Collecting Wifi and Bluetooth data for transport applications [Prof. Edward Chung, Queensland University of Technology]</p>
<p>1530</p> <p>1600</p>	<p>Refreshment Break</p>		
<p>1600</p> <p>1730</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Nexus 3</p> <p>Session A5: Traffic Analytics / Emerging Tech [Moderator: Dr Jan Linssen, ARS Traffic & Transport Technology BV]</p> <p>Paper A5-1: Performance Evaluation of TrafficSens Signal Optimisation and Rephasing - A Case Study of Mount Austin, Johor Bahru [Ir. Zainuddin bin Abdul Samad, TrafficSens]</p> <p>Paper A5-2: Stream Processing in Simplifying Overall Architecture in Tolling Industries [Azmi Abdul Rahman, Teras Teknologi Sdn Bhd]</p> <p>Paper A5-3: Big Data for Better Planning [Luke Cheng, Citilabs, Inc]</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Nexus 2</p> <p>Session B5: Travel Demand Management [Moderator: Rish Malhotra, International Road Dynamics, Inc., Canada]</p> <p>Paper B5-1: Smarter Transportation Data leads to a Smarter City [Phil Allen, TomTom Maps]</p> <p>Paper B5-2: Technologies For an Integrated and Multimodal Urban Mobility [Frederic Roulland, Xerox Research Center Europe]</p> <p>Paper B5-3: Convergence of Safety & Evacuation Systems and Why It is a Growing Need [Travis Lee, BOSCH]</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Nexus 1</p> <p>Session C2: Research Presentations [Moderator: Professor Dr Edward Chung, Queensland University of Technology, Australia]</p> <p>Paper C2-1: Development of Pre-collision Safety Risk Assessment using Multi-body Simulation Technique [Eko Depriantoa, University of Malaya]</p> <p>Paper C2-2: The Development of Spatial Walkability Index Model (SWIM) based on Integration of Analytical Network Process and GIS for Transit Stations in Kuala Lumpur City Centre (Nabilah Naharudin, Universiti Sains Malaysia)</p> <p>Paper C2-3: A Study of Factors Associated with Young Drivers' Speeding Behaviour in Peninsular Malaysia [Farah Fazlinda Mohamad, University of Malaya]</p>

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Paper A5-4: Decision Support In Real-Time Traffic Management [Phimphun Ovasith , PTV Asia-Pacific]

Paper B5-4: Development of Systematic Analysis of Centralised Road Safety Data System for Motorcycles [Muhammad Ruhaizat Bin Abd Ghani , MIROS]

Paper C2-4: Preliminary Analysis of Rollover Scenario Considering Overloading Situation [I. Nurzaki and Prof Dr Rahizar bin Ramli, University of Malaya]

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Day 3: Thursday (23 Feb 2017)		
0900	1030	<p>Session A6: ITS in Transport Planning and Safety [Moderator: Professor Dr. Ahmad Farhan Mohd Sadullah, Universiti Sains Malaysia]</p> <p>Paper A6-1: Malaysian ITS Blueprint 2017-2022 [Dr Jamilah binti Mohd Marjan, HPU]</p> <p>Paper A6-2: Using Big Data to Improve Urban Mobility [Frederic Roulland, Xerox Research Center Europe]</p> <p>Paper A6-3: Development of Malaysian Highway Road Accident Analysis and Database System [Hizal Hanis Hashim, MIROS]</p> <p>Paper A6-4: Improving Crash Notification Time Through e-CALL Malaysia Initiative [Rabihah Ilyas, MIROS]</p> <p style="text-align: center;">Nexus 3</p>
		<p>Session B6: ITS Deployments [Moderator : Professor Dr Edward Chung, Queensland University of Teechnology, Australia]</p> <p>Paper B6-1: Side-fire Radars Allow Easy Instrumentation of Legacy Highways [Vipin Malik, Houston RADAR]</p> <p>Paper B6-2: Tolling Innovations in ASEAN [Khairiza Kamarudin, Teras Teknologi Sdn Bhd]</p> <p>Paper B6-3: Enhancing traffic flows with data warehousing and sensing [Jan Linssen, ARS Traffic & Transport Technology BV]</p> <p>Sesssion B6-4: Free Flow Tolling PPP in Taiwan [Pei-Wen Chou, FETC]</p> <p style="text-align: center;">Nexus 2</p>
		<p>Session C3: Industry Innovators [Moderator: Ir. Chin Kar Keong, ITS Malaysia]</p> <p>Paper C3-1: Smart Road/Street Lighting - Crossing the Chasm [Victor Zhang, Philips Lighting]</p> <p>Paper C3-2 Extraction of Road Superelevation: a Comparison between Airborne and Mobile Laser Scanning Systems [Prof. Madya Dr. Norbazlan Mohd Yusof, Projek Lebuhraya Usahasama Berhad]</p> <p>Paper C3-3: Smart Transportation Solutions [Tey Khang Lian, ZTE Malaysia]</p> <p>Paper C3-4: Geospot BRT [TBC]</p> <p style="text-align: center;">Nexus 1</p>
1030	1100	Refreshment Break
1100	1200	<p>PLENARY SESSION 3 Roundtable / Panel Discussion 3: ITS - education, investment, funding; driving outcomes Moderator: Joe Lam. Panel Members : Prof Edward Chung, Professor Dr. Ahmad Farhan Mohd Sadullah, Dr Jamilah binti Mohd Marjan, John Gregson, Dr. Wm. H. (Bill) Sowell]</p> <p style="text-align: center;">Nexus 2 and 3</p>
1200	1245	Closing Ceremony

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1245	1400	Lunch
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1400	1730	Technical Visits
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