

## Sunday, 27<sup>th</sup> April 2014

10:00 – 17:00	Registration at Aotea Centre
18:00	Welcome Drinks @ Auckland Art Gallery

## Monday, 28<sup>th</sup> April 2014

07:00	Registration at Aotea Centre
09:00	<p><b>Pōwhiri</b> – Welcoming Performance Welcoming Address: ITS New Zealand President, Mr Peter McCombs and Secretary General – ITS Asia Pacific, President and CEO – ITS Japan, Mr Hajimoe Amano</p> <p>Opening Ceremony by Hon Maurice Williamson, Minister of Building Construction, Land Information, Customs and Statistics – New Zealand Government</p>
9.50	Exhibition Opening by Hon Maurice Williamson
10:00	Coffee Break
10:30	<p><b>Plenary Session 1: The Global SCORE (ASB Theatre)</b> Moderator: Mr Brian Negus, President – ITS Australia</p> <p>Keynote Speakers:</p> <ul style="list-style-type: none"><li>• Mr Hiroyuki Watanabe, Chairman – ITS Japan</li><li>• Mr Scott Belcher, President and CEO – ITS America</li><li>• Presenter to be confirmed – ERTICO</li><li>• Mr. Richard Harris, Solution Director- Xerox Services</li></ul>
12:00	Networking Luncheon
13:00	<p><b>Parallel Session 1:</b></p> <p><b>Executive Sessions A1: Policy and Strategy (Upper NZI 4)</b> Moderator: Nick Brown, Acting General Manager, NZ Ministry of Transport</p> <p>Presenters:</p> <ul style="list-style-type: none"><li>• Mong Kee Sing, ITS Singapore, Singapore TBA</li><li>• Dubo Shim, ITS Korea, Korea TBA</li><li>• Wang Xiaojing, ITS China, China</li><li>• Passakon Prathombutr, ITS Thailand, Thailand</li><li>• Rep of Ministry of Internal Affairs and Communications, Japan</li><li>• Andrew Pickford, ITS Hong Kong</li></ul> <p><b>Technical Session B1: Funding (Upper NZI 5)</b> Moderator: TBA</p> <p>Presenters:</p> <ul style="list-style-type: none"><li>• <b>Optimising congestion charging for Auckland for Travel Demand Management objectives and/or raising funds for transport infrastructure?</b> <i>Douglas Wilson, Transportation Engineering Group Leader, University of Auckland, New Zealand</i></li></ul>

- **An Adaptive System Architecture For Taiwan’s Radio Frequency Identification Based Multi-Lane Free Flow Electronic Toll Collection System**  
*Richard Wu, Vice President – Far Eastern Electronic Toll Collection Co., Ltd (FETC) , Chinese-Taipei*
- **Development of the Services and Strategies for Smart Tolling System based on Any Media**  
*Yu-Kyung Park, Team Manager – ITS KOREA, Korea*
- **Video Tolling – A Game Changer**  
*Steinar Furan, Advisor – Q-free ASA & Board Member – ITS Norway, Norway*
- **New paradigms for electronic toll collection: the experience of Taiwan**  
*Fah Siang Ho, General Manager – YDT Technology International, Taiwan*

**Technical Session C1: Safety (Upper NZI 6)**

Moderator: TBA

Presenters:

- **Red-Light Running And Speed Camera Prioritisation**  
*Jay Baththana, Transportation Engineer – Abley Transportation Consultants, New Zealand*
- **Variable speed limit trials at rural intersections and schools in New Zealand**  
*Dr Hamish Mackie , Director – Mackie Research and Consulting and Murray Russell, Wellington Divisional Manager – Armitage Group , New Zealand*
- **A demo environment for Intelligent Transportation Systems**  
*Partha S Roop, Senior Lecturer – University of Auckland and Director – Precision Timed Systems research group, New Zealand*
- **Innovative ASV service using vehicle-to-vehicle communication for collision prevention between tramcar and car**  
*Takayuki Hirasawa, - Assistant Professor, The University of Tokyo, Japan*
- **Real-time precise point positioning experiment by using the LEX signal of QZSS and a study of application to mobility control**  
*Katsuhiko Mutoh, Japan Aerospace Exploration Agency, Japan*

**Sponsors/Exhibitor Session D1: Future Technologies, Services and Innovations (ASB Theater)**

Moderator: TBA

Presenters:

- **Transdyn** - Presenter, TBA
  - **Kapsch** - Presenter, TBA
  - **TSS- Aimsun** - Presenter, TBA
  - **Beca - Bluetooth Vehicle Monitoring But Were Afraid To Ask – A Client’s Guide**, Richard Young
- Fusion** - Presenter, TBA

15:00

Coffee Break

15:30

**Parallel Session 2:**

## **Technical Sessions A2: Value for Money (Upper NZI 4)**

Moderator: TBA

Presenters:

- **ONE NETWORK APPROACH - an integrated solution**  
*Kathryn Musgrave, National Journey Manager – New Zealand Transport Agency, New Zealand*
- **Sustainability of Intelligent Transportation System in Road Network Operations**  
*Dr Leong Siew Mun, Director – Kuala Lumpur City Administration, Malaysia*
- **Network Operations Planning and ITS**  
*Richard Sprosen, Senior Transportation Planner – GHD, New Zealand*
- **Integrating Arterial and Motorway Management in Auckland**  
*Karen Fehl, Senior Consultant – Resolve Group, New Zealand*
- **The SCATS Ramp Metering System – Key features, arterial integration developments and field results from Auckland**  
*Carlos Aydos, Principal Systems Analyst – Roads and Maritime Services, Australia*

## **Technical Session B2: Multi-Modal Traveller Information (Upper NZI 5)**

Moderator: TBA

Presenters:

- **Time Saving of Information - Evaluation of At-Stop Real Time Passenger Information System in Public Transport Network**  
*Rui Tan, Ph.D. Student, National University of Singapore, Singapore*
- **Development of Proper Traffic Information Service at Sun-Moon Lake Tourism Area**  
*Chi Hwa Chen, Director of Transportation Information Division – Ministry of Transportation and Communications, Chinese-Taipei*
- **Multi-modal Information Provision for New Zealand – What to do next?**  
*Henry Pretorius, Customer Information Services Manager – New Zealand Transport Agency and Jo Chang, Senior Transportation Planner – Opus International Consultants, New Zealand*
- **Challenges in Multimodal Traveller Information Services in South East Asia**  
*Mohit Sindhwani, Head of Innovation and Technology – Quantum Inventions, Singapore*

## **Technical Session C2: Innovative Transport Management System (Upper NZI 6)**

Moderator: TBA

Presenters:

- **Solving Big Problem with “Big Date”**  
*Chris Vallyon , Senior Transportation Analyst, Beca, New Zealand*
- **The future of ITS as Integrated Transport Services: developments in electronic tolling, parking and traffic surveillance**  
*Kevin Chien, MLFF (Multi-lane Free Flow) Programme Director – YDT Technology International, Chinese-Taipei*
- **Identifying Overweight Vehicles Crossing the Auckland Harbour Bridge**

	<p><i>Ian Leach, ITS Delivery Manager – Auckland Motorway Alliance, New Zealand</i></p> <ul style="list-style-type: none"> <li>• <b>Engaging drivers to increase alertness – an innovative use of VMS for rural road safety</b> <i>Andrew Somers, Director – Transoptim, Australia</i></li> <li>• <b>Environmental distraction on traffic control infrastructure conspicuity</b> <i>Urie Bezuidenhout, Director – Da Vinci Transport Planning, New Zealand</i></li> </ul> <p><b>Sponsors/Exhibitor Session D2: Future Technologies, Services and Innovations (ASB Theater)</b> Moderator: TBA</p> <p>Presenters:</p> <ul style="list-style-type: none"> <li>• <b>FLIR Systems -Latest innovations in thermal imaging and video analytics for traffic detection</b>, Nico Verstraete</li> <li>• <b>CEOS</b> - Presenter, TBA</li> <li>• <b>Resolve - Kiwi Ingenuity: ITS Opportunities in New Zealand</b>, Steve Griffith</li> <li>• <b>Q Free - Enhanced Image Processing</b> , Silje Troseth</li> </ul>
17:00	Exhibition “Happy Hours”
19:00	ITS NZ 10 <sup>th</sup> Anniversary Celebration @ Auckland Town Hall

## Tuesday, 29<sup>th</sup> April 2014

8:00	Registration at Aotea Centre
9:00	<p><b>Plenary Session 2: Where to Next (ASB Theatre)</b> Moderator: TBA</p> <p>Keynote Speakers:</p> <ul style="list-style-type: none"> <li>• Randy Iwasaki, Executive Director, Contra Costa Transportation Authority, USA</li> <li>• Paul Rose, Technical Director – Highways ITS Consulting, Rail and Strategic Highways, Amey, UK</li> <li>• <i>Presenter to be Confirmed</i></li> </ul>
10:00	Coffee Break
10:30	<p><b>Parallel Session 3:</b></p> <p><b>Executive Sessions A3: International Collaboration – Asia Pacific (Upper NZI 4)</b> <b>Moderator:</b> Shunsuke Kamijo or Hiroshi Makino, ACECC Japan</p> <p>Presenters:</p> <ul style="list-style-type: none"> <li>• Jason Chang, ITS Taiwan, Chinese Taipei</li> <li>• Edward Chung, Queensland University, ITS Australia, Australia</li> <li>• Ahmad Farhan Mohd Sadullah, ITS Malaysia, Malaysia</li> <li>• Elly Sinaga, ITS Indonesia, Indonesia</li> <li>• Ricardo G. Sigua, University of the Philippines, Philippines</li> </ul>

### **Technical Session B3: Value for Money (Upper NZI 2)**

Moderator: TBA

Presenters:

- **Efficient route scheduling with detailed emission calculation**  
*Joost Bekker, Business Development Director – PTV Group Asia Pacific, Australia*
- **The development of a Mobile Maintenance Notification System (MOTION)**  
*Derrick Chua Fuyong, Senior Engineer – Land Transport Authority, Singapore*
- **Reducing the Rising Costs of Congestion using Priority Adaptive Traffic Control**  
*James McCann, Researcher – Victoria University of Wellington, New Zealand*
- **Managed Motorways**  
*Adam Myers, Principal Consultant – Transmax, Australia*
- **Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) Trial with Dedicated Short Range Communication (DSRC) 5.9GHz in Singapore**  
*Mr Musthafa Ibrahim*  
*Senior Engineer, Intelligent Transport Systems Development, Land Transport Authority*

### **Technical Session C3: Pricing and Commercial Model for Transport (Upper NZI 6)**

Moderator: TBA

Presenters:

- **Road User Charging: policy, technology and prospects to 2020**  
*Andrew Pickford, CEO – Transport Technology Consultants Ltd, Hong Kong*
- **Improving revenue streams with Electronic Vehicle Registration and Monitoring**  
*Christoph Amlacher, Solution Manager Electronic Vehicle Registration, Kapsch TrafficCom, Austria*
- **Maximising policy outcomes with dynamic parking pricing**  
*Mark Byrne, Vice President of Sales – Xerox Transportation Solutions, Australia*
- **An incentive business model to increase public transportation ridership with bonus points**  
*Chi Chung Tao, Associate Professor and Chairman Department of Transportation Management – Tamkang University, Taiwan*
- **Is leasing ITS infrastructure and operational services a real option?**  
*Deryk Whyte, Director – Araflow, New Zealand*

### **Sponsors/Exhibitor Session D3: Future Technologies, Services and Innovations (ASB Theater)**

Moderator: TBA

Presenters:

- **Intelematics** - Presenter, TBA
- **Transmax - The STREAMS ITS Platform and SCATS integration**, Blair Hardwood
- **Wavetronix** - Presenter, TBA
- **JYW Consulting** - Presenter, TBA
- **Opus - Automated vehicles - Are we there yet**, Jo Chang (Opus International Consultants)

Ltd) and Ching-Yao Chan (Partners for Advanced Transportation Technology (PATH) – University of California at Berkeley, USA)

12:00

Networking Luncheon

13:00

**Parallel Session 4:**

**Technical Sessions A4: Safety (Upper NZI 4)**

Moderator: TBA

Presenters:

- **Traffic Incident Management in Metropolitan Detroit**  
*Richard F. Beaubien, Managing Director – Beaubien Engineering, USA*
- **Vehicle Priority and Pre-emption**  
*John Wiltshire, Software Development Manager – Transmax, Australia*
- **Towards safer and more efficient road traffic with existing road networks and Cooperative ITS service – Case Study of “ITS Spot Service” in Japan**  
*Shoichi SUZUKI, Senior researcher – National Institute for Land and Infrastructure Management, Japan*
- **Enhancing Junction Safety with Connected Vehicles**  
*Anh Tuan Hoang, Scientist – Institute for Infocomm Research, Singapore*
- **A Development of Road Surface Temperature Prediction System - by using vehicle ambient temperature of CAN(Controller Area Network) data**  
*Kang Young Kyun, Senior Researcher – HYUNDAI ENGINEERING & CONSTRUCTION, Korea*
- **Implementing Integrated Stakeholders’ Decision Making Model to Improve Pedestrians Safety Crossing an Intersection**  
*Lieutenant Dr.Tongkarn Kaewchalermtong, Lecturer – Chulachomklao Royal Military Academy, Thailand*

**Technical Session B4: Evaluation and Analysis for ITS (Upper NZI 5)**

Moderator: TBA

Presenters:

- **Driver Communication Channels and Network Management**  
*Julian Laufer, Principal Transport Planner – PTV Group, Australia*
- **A Survey of Medium Access Control Protocols for Vehicular Networks**  
*Mahmood Hikmet, Researcher – University of Auckland, New Zealand*
- **Evaluating the accuracy of Bangkok travel time profiles on arterial and highway road sections**  
*Dr. Pimwadee Chaovalit, Lecturer – Thammasart University, Thailand*
- **Use of machine learning for improved incident management outcomes**  
*Ronnie Taib, Senior Research Engineer – NICTA (National ICT Australia), Australia*
- **Experiences in Identifying and Mitigating Future Transport Accident Settings**

*Mamun Rahman, Senior Transport Planner – PTV Group, Australia*

- **Evaluation Method and Its Applications of CO2 Emission Reduction with ITS Applications**  
*Takashi Oguchi, The University of Tokyo, Japan*

**Technical Session C4: ITS for Public Transport (Upper NZI 6)**

Moderator: TBA

Presenters:

- **Linking Mobile Devices into Transport Information System**  
*Huang, Wen-Jing, Managing Director ITS Department – CECI Engineering Consultants, Chinese-Taipei*
- **BRT Signal Priority System in Taichung City, Taiwan**  
*Weihsin Lin, Manager –THI Consultants, Chinese-Taipei*
- **Benefit analysis of automatic dispatching systems for demand responsive transit service**  
*Pei Yuan Chien, Researcher –National Taiwan University, Chinese-Taipei*
- **Development Light Rail Transit Priority Signal Control Strategies using simulation- case study of Tamsui**  
*Dr Tien Pen Hsu, Associate Professor and Director of Transportation Research –National Taiwan University, Chinese-Taipei*
- **Evaluation Of Choice Set Generation Methods With Smart Card Data In Large-Scale Public Transport Network**  
*Rui Tan, Ph.D. Student, National University of Singapore, Singapore*

**Sponsors/Exhibitor Session D4: Future Technologies, Services and Innovations (ASB Theater)**

Moderator: TBA

Presenters:

- **New Zealand Minister of Transport** – Presenter, TBA
- **New Zealand Transport Agency** – Presenter, TBA
- **ITS Singapore** - Presenter, TBA
- **ITS Australia** - Presenter, TBA
- **ITS America** - Presenter, TBA

15:00

Coffee Break

15:30

**Parallel Session 5:**

**Technical Sessions A5: Safety (Upper NZI 4)**

Moderator:

Presenters:

- **Automatic Accelerometer Reorientation for Driving Event Detection Using Smartphone**  
*Dr. Passakon Prathombutr, Director – Ministry of Science and Technology and President – ITS Thailand, Thailand*
- **Development and Evaluation of Advanced Lane Departure Warning System using DGPS and WAVE communication**

*Jin Ki Lee, Associate Researcher – ITS Korea, Korea*

- **Investigating the Correlation of Truck Collision Concentration and High Incidence of Overweight Trucks in California**  
*Ching-Yao Chan, Research Engineer and Program Leader with Partners for Advanced Transportation Technology (PATH) – University of California at Berkeley, USA*
- **Analysis of Accident Severity and Type on Motorway Based on Negative Binomial Models**  
*Chengye PAN, Researcher – University of Auckland, New Zealand*
- **Identifying Reflected GPS Signals and Improving Position Estimation Using 3D Map simultaneously built with Laser Range Scanner**  
*Dr. Takeshi Oishi, Researcher – Computer Vision Laboratory, Institute of Industrial Science, The University of Tokyo, Japan*

#### **Technical Session B5: Advanced Traveller Information System (Upper NZI 5)**

Moderator:

Presenters:

- **A Self-Learning Smart Traffic Mobile App**  
*Wong Sook Kwan, Senior Engineer – Land Transport Authority, Singapore*
- **Decomposing of Travel Times from Probe Vehicles to Urban Road Segment Using Running Speed Technique**  
*Sorawit Narupiti, Associate Professor – Chulalongkorn University, Thailand*
- **Prediction of traffic accident duration - Case study of National Freeway No. 5 in Taiwan**  
*Chien-Hung Wei, Professor – National Cheng Kung University, Chinese-Taipei*
- **Smartly Maintaining Dublin's ITS Infrastructure**  
*Trevor Platt, Sales and Marketing Manager, Nicander, United Kingdom*
- **Data fusion using stationary detection and roaming vehicles based on speed simulation**  
*Liang Yu, Research Scientist, Institute for InfoComm Research, Singapore,*
- **Travel Time Computation Model for Urban Arterial Roads in Singapore**  
*ST Electronic (InfoComm Systems), Singapore*

#### **Technical Session C5: Advanced Traffic Management System (Upper NZI 6)**

Moderator:

Presenters:

- **Traffic Decongestion Engine**  
*Joanne Cheong, Manager – Intelligent Transport Systems Development (ITSDV) Division, Land Transport Authority, Singapore*
- **Fully Distributed and Coordinated Traffic Control Strategy Using Dynamic TrafficSens Controller**  
*Tan Boon Chiat, Director – TrafficSens System, Malaysia*
- **Congestion and Incident Management Applications for Distributed Acoustic Sensing technology – NZTA Case Study**  
*Russell Pinchen, Senior ITS Engineer – New Zealand Transport Agency, New Zealand*



	<ul style="list-style-type: none"> <li>• <b>Best Practices in Managed Motorway Projects</b> <i>Sohail Muhammad, ITS Manager – VicRoads, Australia</i></li> <li>• <b>Performances Of Various Signal Detection Algorithm</b> <i>Seong-Keun Jin, Assistant Research Engineer, Korea Electronic Technology Institute, Korea</i></li> <li>• <b>EMAS on Major Arterial Roads in Singapore</b> <i>ST Electronic (InfoComm Systems), Singapore</i></li> <li>• <b>Next Generation Traffic Management Based On Cooperative V2x Technologies</b> <i>Anto Komatica, Kapsch, Austria</i></li> </ul>
17:00	Exhibition “Happy Hours”
19:00	Gala Dinner @ Viaduct Event Centre

## Wednesday, 30<sup>th</sup> April 2014

08:00	Registration at Aotea Centre
09:00	<p><b>Plenary Session 3: The CEO Forum (ASB Theatre)</b></p> <p>Moderator:</p> <p>Panel Speakers:</p> <ul style="list-style-type: none"> <li>• Mr Martin Matthews, CEO – Ministry of Transport (New Zealand)</li> <li>• Mr Geoff Dangerfield, CEO – New Zealand Transport Agency</li> <li>• Mr David Warburton, CEO – Auckland Transport</li> <li>• Dr. Bambang, the Vice Minister of Indonesia MOT, Indonesia</li> <li>• Mr Chew Hock Yong, CEO – Land Transport Authority (Singapore)</li> </ul>
10:45	Coffee Break
11.15	<p><b>Closing Ceremony (ASB Theatre)</b></p> <p>Closing Address: Mr Martin Matthews, CEO – Ministry of Transport (New Zealand)</p> <p>14<sup>th</sup> Asia Pacific Forum 2015 – ITS China  21<sup>st</sup> ITS World Congress Detroit 2014, USA- ITS America  22<sup>nd</sup> ITS World Congress Bordeaux 2015 – ERTICO  23<sup>rd</sup> ITS World Congress Melbourne 2016 – ITS Australia</p> <p>Closing Remarks: Mr Peter McCombs, President – ITS New Zealand</p>
12:00	Lunch
13:00	<p><b>Technical Tour A:</b></p> <p>Smales Farm Joint Traffic Operations Centre, Alpurttoll Road/Tunnel, Northern Busway, Puhoi</p>

**Technical Tour B:**

Britomart Public Transport Control Centre and HOP Card System

**Technical Tour C:**

Electric Motor Unit (Train) Depot Control Centre, Toll NZ and Electronic Road User Charges System

**Technical Tour D:**

Tunnel Management System – Victoria Park Tunnel, Barrier Transfer Machine. Swift Gates and Alport Tolls Tunnel and Smales Farm Joint Traffic Operations Centre