



Intelligent Transportation Systems Society of Canada
Société des systèmes de transport intelligents du Canada



Ministry of
Transportation
and Infrastructure

February 4, 2016

“ITS Canada Reaching Out BC Workshop”

Organized and co-hosted by ITS Canada and British Columbia Ministry of Transportation & Infrastructure

Regional Transportation Management Centre
1500 Woolridge St, 3rd Floor
Coquitlam, BC, V3K 0B8

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Agenda

7:30 – 8:30 am	Exhibitor set-up
8:00 – 8:30 am	Registration & light breakfast <i>sponsored by</i> Valley Traffic Systems
8:30 – 8:45 am	Welcome & opening remarks by Mr. Robert Shirra and Ms. Brigid Canil
8:45 – 8:55 am	<i>“National Perspective by Transport Canada”</i> by Ms. Julie Irvine, Transport Canada
9:05 – 10:00 am	Municipal Roundtable <i>“ITS Programs in Municipalities”</i> moderated by Brigid Canil, BC MoTI City of Vancouver – Winston Chou City of Surrey – Amir Afridi City of Kelowna – Atif Khan
10:00 – 10:20 am	Coffee break <i>sponsored by</i> GNEC Networking with exhibitors Econolite , Fortran Traffic , GGI Road & Traffic



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10:20 – 11.30 am

Academic Research Updates



1. Prof. Dave Michelson - UBC for *Active/Aurora*

Prof. David Michelson is leader of the UBC Radio Science Lab, co-director of the AURORA Connected Vehicle Technology Test Bed, and a founding member of the Transportation Futures Group at UBC. He is a member of the Board of Governors of the IEEE Vehicular Technology, Chair of the IEEE VT-S Technical Committee on Propagation and Channel Modelling, founding editor of the Wiley/IEEE Press Series on Vehicular Technology and Member of the IEEE Antennas and Propagation Standards Committee. He served as General Co-Chair of the 2014 IEEE Vehicular Technology Conference, 2015 EAI TridentCom Conference and the 2015 IEEE AP-S Symposium on Antennas and Propagation and URSI CNC/USNC Joint Meeting. Prof. Michelson can be reached at davem@ece.ubc.ca

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10:20 – 11.30 am

Academic Research Updates (cont'd)



2. Prof. Rodney Vaughan – SFU [Improving Wireless Radio for ITS](#)

Prof. Rodney Vaughan has worked with the New Zealand Post Office (now Telecom NZ Ltd) and the NZ Department of Scientific and Industrial Research, and Industrial Research Limited (IRL). He has worked on a wide variety of mechanical and electrical projects including network analysis and traffic forecasting, and developed microprocessor and DSP technology for equipment ranging from abattoir hardware to communications networks. He was an URSI Young Scientist in 1982 for Fields and Waves, and in 1983 for Electromagnetic Theory. He developed research programmes and personnel working in communications technology for IRL, revolving around signal processing, multipath communications theory (electromagnetic, line and acoustic media), diversity design, signal and sampling theory, and DSP. Industrial projects have included the design and development of specialist antennas for personal, cellular, and satellite communications, large-N MIMO communications systems design; and also capacity theory and spatial field theory. In 2003, he became Professor of Electrical Engineering and Sierra Wireless Chair in Communications, at the School of Engineering Science, Simon Fraser University, B.C.



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11:30 - noon	Tour of Regional Traffic Management Centre
Noon – 13:00	Lunch <i>sponsored by</i> IBI Group
12:45-13:00	➤ Presentation <i>ITS WC 2015 Local Government Award for the RTMC to BC MoTI</i> by Ms. Julie Irvine, Transport Canada & Mr. Homayoun Vahidi, IBI Group
13:00 – 13:45	➤ Keynote overview <i>"Automated Vehicles in Ontario, Implications for Policies, Regulation and Road Network Operations"?</i> by Mr. Stephen Erwin, MTO



Stephen Erwin is a career public servant in the Province of Ontario's Ministry of Transportation with more than 33-years of experience. He has progressed through a range of technical and management positions and currently Heads the Ministry's Intelligent Transportation Systems Program where he is responsible for strategic planning, design, systems development and implementation of ITS solutions across the province. He is also responsible for the operation of ITS solutions and traffic operations centres for the ministry's Central Region which includes the Greater Toronto Area and Niagara region border crossings. Steve and his team played a large role in the transportation management support for the Pan Am Games held in Toronto during the summer of 2015, and is a ministry leader on the connected and automated vehicle front.



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13:45 – 14:15



Presentation *“Cities and Automation: How changing technology will affect demand, and our cities”* by Brian Mills, Brian Mills and Associates

Brian, Principal of Brian Mills and Associates has 30 years' experience in strategic planning, policy development, system effectiveness, project direction, efficiency and organizational improvement in multi-stakeholder, public-sector environments. His transport technical expertise includes public transit planning, multi-modal urban transport planning, and transport and land use integration. He led the design of Vancouver's regional transit network, focussing on integrating transit with land use for livable, sustainable communities. With TransLink he also established its Olympic program, was project director for Transport 2040 the regional vision and strategy, and led numerous plans and strategies to improve efficiency, increase effectiveness, create stronger bonds between transport and land use planning and enhance customer service. Brian is a graduate of the University of British Columbia with a BA in Geography and has a certificate in Executive leadership from Simon Fraser University.

14:15 – 14:45

Presentation *“Challenges Ahead”* by Mr. Mathew Bond & Ms. Brigid Canil, BC MoTI



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14:45 – 15:00	Coffee break <i>sponsored by</i> Fortran Traffic Networking with exhibitors Econolite , Fortran Traffic , GGI Road & Traffic
15:00 – 15:45	Presentations 1. <i>“Latest advancements in mobile, audio and social technologies in ATIS”</i> by Mr. Matt Man, CEO of GreenOwl Mobile 2. “Role of models in ITS” by Matthew Juckes, TSS
15:45 – 16:00	<i>Q&A and Wrap-up</i> by Mr. Rob Shirra & Ms. Brigid Canil

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