



CONFERENCE PROGRAM

~ Subject to Change ~

	Time	Event	Speakers/Moderators	
Sunday, June 13	13:15~16:45	Tour 1: City of Ottawa and MTO	Bus departs at 13:15	
	15:00~17:00	Registration Desk Open	<i>Lower Lobby</i> - Registration packages available for pre-paid delegates only	
	17:30~18:30	ITS Canada AGM	<i>Penthouse - Panorama</i>	
	18:30~20:00	Welcome Reception	<i>International Ballroom - Exhibit floor</i>	
Monday, June 14, 2010	7:00~17:00	Registration	<i>Lower Lobby</i>	
	7:00~8:00	Breakfast	<i>International Ballroom</i>	
	8:00~9:30	Opening Plenary	Welcome and Conference Plenary	
		Master of Ceremonies	Carl Kuhnke, Executive Director, ITS Canada	
		VIP Speaker	The Hon. Rob Merrifield, Minister of State for Transport	
		Welcome	Michael Bailey, Chairman, ITS Canada	
		Welcome	Dr. William Johnson, Chairman, 2010 Conference Local Organizing Committee	
		VIP Speaker	Dr. Robert Bertini, Deputy Administrator, U.S. Research and Innovative Technology Administration	
		VIP Speaker	His Worship Mayor Larry O'Brien, City of Ottawa	
		VIP Speaker	Mr. Chang-Se Kim, Senior Vice Chair, 17th ITS World Congress, Busan, Korea	
		VIP Speaker	Scott Belcher, President and CEO, ITS America	
		VIP Speaker	Jennie Martin, Secretary General, ITS United Kingdom	
	VIP Speaker	Xiaofeng Hong, Deputy Director General, Science and Technology Dept., Chinese Ministry of Transport		
	9:30~10:00	Networking & Exhibition	<i>International Ballroom</i>	
	10:00~11:30	Concurrent Session 1A	Technical Papers - Connected Vehicle - Joliet/Frontenac Rooms	
		Moderator	Scott Stewart, IBI Group	
		Speaker	The Connected Vehicle: An Ontario Perspective - Stephen Erwin, Ministry of Transportation of Ontario	
		Speaker	A Cost-Effective ZigBee-Based Computer System for Streamlining Border Crossings - Mohamed Elshenawy, University of Regina	
		Speaker	Freeway Travel Time Estimation and Prediction: New Opportunities Using Bluetooth and VII Data - Bruce Hellinga, University of Waterloo	
		Speaker	Traffic Control Enhancements Using Ant Behaviours and Vehicle-to-Vehicle Communications - Mohamed Elshenawy, University of Regina, and Baehr Abdulhai, University of Toronto	
		Concurrent Session 1B	Technical Papers - Connected Vehicle - Richelieu Room	
		Moderator	Dave Pickeral, IBM	
		Speaker	Procedure for the Optimization of In-Vehicle Intelligent Transportation Systems Implementation - Jean-Sebastien Foisy, FPInnovations	
		Speaker	Road Safety Information Processing Using Multi-Criteria Decision-Making Reconfigurable Architecture - Ilham Benyahia and Vincent Talbot, Université du Québec en Outaouais	
		Speaker	On the Speed of Message Travel in a Vehicular Network: Some Preliminary Results - Alireza Rostamzadeh, University of British Columbia	
		Speaker	A Low-Cost Mobile Solution for Monitoring Winter Road Surface Conditions - Raqib Omer Mian and Liping Fu, University of Waterloo	
		Speaker	Monitoring For Safe, Sustainable and Free Flowing Transportation - Peggy Ross, Ministère du Transports du Québec	
Concurrent Session 1C		Technical Papers - Emerging Technologies - Chaudiere Room		
Moderator		Mark Pinet, AECOM		
Speaker		Surge Protection Devices, Technology, Myths and Standards - Ted Arbuckle, RayCap, Inc.		
Speaker		Ethernet Applications in Traffic Control - Theron Rowe, GarrettCom		
Speaker	Meeting the Industry's Needs with Non-Intrusive Detection - Mike Ouellette, Image Sensing Systems Canada			
Speaker	ITS in Work Zones is Smart Business - Todd Foster, Ver-Mac			
Speaker	Data-Driven Communication - Chad Sellers, iCone Products			
11:30~12:00	Networking & Exhibition	<i>International Ballroom</i>		
12:00~13:00	Luncheon & Keynote Speaker	Michael Noblett, IBM Global Business Services and Chair, ISO Technical Committee 204 for ITS - International Ballroom		
13:00~13:30	Networking & Exhibition	<i>International Ballroom</i>		

Time	Event	Speakers/Moderators
13:30~15:00	Concurrent Session 2A	Technical Papers - Connected Vehicle - Joliet/Frontenac Rooms
	Moderator	Eric Labrie, TransCore
	Speaker	Transit ITS and IntelliDrive SM : Preliminary Investigation of Opportunities and Challenges for Urban Public Transportation in Canada - Brendon Hemily, Hemily and Associates
	Speaker	Crowdsourcing GPS Probes to Create Traffic Data - Pete Costello, Inrix
	Speaker	Fuel Efficiency through Cooperative Systems - Klaas Rozema, Peek Traffic Systems
	Speaker	Transport Protocol Experts Group - Jim O'Neill, GEWI
	Concurrent Session 2B	Technical Papers - New Developments - Richelieu Room
	Moderator	René Marcouiller, CIMA+
	Speaker	The Role of ITS in Clean and Sustainable Transportation
	Speaker	Sustainable Transportation: What Demand Management Tools and Technologies Do We Have for Congestion, Emissions, and Funding? - Catherine Laplante, Les Conseillers ADEC Inc.
	Speaker	ITS Associations Addressing Transportation and the Climate Change Agenda - Jennie Martin, ITS United Kingdom, and Scott Belcher, ITS America
	Speaker	Role of ITS in Managing Oversaturated Traffic - Akm Mushfiqur Rahman, Carleton University
	Concurrent Session 2C	Technical Papers - New Developments - Chaudiere Room
	Moderator	Rod Klashinsky, International Road Dynamics
	Speaker	SWIM: A Framework Based on Virtual Organizations Paradigm, Ontologies and Semantic Web Technologies for Real-Time Incident Management - Mahmoud Osman and Baher Abdulhai, University of Toronto
Speaker	Application of BluFax Technology to Monitor Traffic Patterns around the City of Red Deer, Alberta - Paul Steel, EBA	
Speaker	ENTERPRISE - ITS Warrants - Dean Deeter, Athey Creek Consultants	
Speaker	Comparative Analysis of Q-Learning, SARSA, and TD(λ) For Adaptive Traffic Signal Control - Samah el Tantawy, University of Toronto	
15:00~15:30	Networking & Exhibition	<i>International Ballroom</i>
15:30~17:00	Panel Discussion	Connected Vehicle Policy and Deployment Challenges/Opportunities - International Ballroom
	Moderator	Bob Burrows, G4 Apps, Chair - ITS Canada IntelliDrive Task Force
	Panelist	Barry Gander, CEO, Networked Vehicle Association
	Panelist	Susan Spencer, Transport Canada
	Panelist	Mike Schagrin, Joint Program Office, US DOT
Panelist	Michael Noblett, IBM Global Business Services, and Chair, ISO Technical Committee 204 for ITS	
Panelist	Stephen Erwin, Head, Intelligent Transportation Systems, Ministry of Transportation of Ontario	
17:15~18:00	Open Meeting	ITS Canada IntelliDrive Task Force: Bob Burrows, Chair - Frontenac/Joliet Rooms
18:00~19:30	Workshop	ONE-ITS Workshop - Richelieu Room
	Moderator	Baher Abdulhai, University of Toronto
	Description	ONE-ITS - Online Network-Enabled ITS: Overview and Live Demonstration of Functionalities
18:30~20:30	Private Meeting	ITS Canada Board Meeting

	Time	Event	Speakers/Moderators	
Tuesday, June 15, 2010	7:30~15:30	Registration	<i>Lower Lobby</i>	
	7:00~8:00	Breakfast	<i>International Ballroom</i>	
	8:00~9:30	Panel Discussion Moderator Speaker Speaker Speaker Speaker Speaker	Potentials and Limitations of ITS to Resolve Mobility and Congestion Problems - International Ballroom Scott Belcher, ITS America Kornel Mucsi, City of Ottawa Greg Kent, City of Ottawa Salah Barj, Société de Transport de l'Outaouais Bruce Zvaniga, City of Toronto Victoria Matthews, TransCore Link Logistics	
	9:30~10:00	Networking & Exhibition	<i>International Ballroom</i>	
	9:30~11:30	Tour 2: Canada Post - National Control Centre	Bus departs at 9:30	
	10:00~11:30	Concurrent Session 3A Moderator Speaker Speaker Speaker Speaker	Technical Papers - Urban Transit - Joliet/Frontenac Rooms	
			Michael Frietas, Telvent	
			Transit Coordination - Dinesh Xavier, Trapeze Group	
			Metro Vancouver's Bus CCTV System: Lessons Learned from Planning through to Implementation - Homayoun Vahidi, IBI Group	
			Re-Tooling Public Transit, One Agency at a Time - Rob Shirra, RGS Consulting	
			Dynamics of Transport Capacity Development of the City of Zagreb Public Tram Transport System - Marjan Rajsman, University of Zagreb	
		Study on Cyclists Microscopic Behaviour Models at Signalized Intersection in China - Haifeng Jiang, Research Institute of Highway Ministry of Transport, China		
		Concurrent Session 3B Moderator Speaker Speaker Speaker Speaker	Technical Papers - Urban Transportation - Richelieu Room	
			Carl Kuhnke, ITS Canada	
			ITS Deployment in Johannesburg - Edison Ruiz, Delcan Corporation	
			York Region Transit Signal Priority Improvements - Karoleigh Miller, York Region Transit	
			Fuzzy Logic-Based Bimodal (Car and Bus) Queue Management - Kornel Mucsi, City of Ottawa	
			Work Zone Travel Time Feasibility Study - Steve Kemp, York Region	
		Concurrent Session 3C Moderator Speaker Speaker Speaker Speaker	Technical Papers - New Advances - Chaudiere Room	
			Michael Bowie, Fortran Traffic Systems	
			ITS and the Canadian Railway Industry - Daniel Lafrenière, Railway Association of Canada	
			Autonomous Monitoring Station - Ataur Bacchus, Ministry of Transportation of Ontario	
			Better Messaging Through Full-Colour Variable Message Signs - Robert Chan, Ministry of Transportation of Ontario, and Bob Lusk, McCormick Rankin Corporation	
	Efficiently Control, Monitor, Manage, Maintain and Secure your Traffic Signal Preemption System Right from your Desktop - Pat Cosgrove, Global Traffic Technologies			
	Utilizing a Geographic Information System for the Next Generation COMPASS Software - Hoi Wong, Ministry of Transportation of Ontario			
	11:30~12:00	Networking & Exhibition	<i>International Ballroom</i>	
	12:00~13:00	Luncheon & Keynote Speaker	Dr. Farhad Pooran, Vice President Engineering, Telvent Farradyne - International Ballroom	
	13:00~13:30	Networking & Exhibition	<i>International Ballroom</i>	
	13:30~15:00	Tour 3: STO Control Room & Fare Collection Demo	Bus departs at 13:30	
	13:30~15:00	Concurrent Session 4A Moderator Speaker Speaker Speaker	Technical Papers - Integrated Operations - Joliet/Frontenac Rooms	
			Tim Schnarr, Delcan Corporation	
			Update on Transportation Systems Management and Operations (TSM&O) Initiatives in Florida - Anita Vandervalk, Cambridge Systematics	
Multi-agency Operation Depends a Lot on the Choice of Infrastructure - Dmitriy Vanchugov, Trapeze Group				
Integrated Regional Signal System Railway Advanced Warning System Determining Optimal Sign Locations through Simulation Modelling - Perry Craig, Delcan Corporation				
Low Cost AVL Implementation in Fixed-Route Vehicles to Alleviate Traffic Congestion in Dhaka City - Md. Ahsanul Karim, University of British Columbia				
ITS: More Bang For the Buck - Tip Franklin, Telvent				
Concurrent Session 4B Moderator Speaker Speaker		Technical Papers - Commercial Transportation - Richelieu Room		
		Michael Bailey, NAVTEQ		
		Recent Application of Innovative ITS Solutions - Gerard Kirchttag, Mentor Engineering		
	ITS and Sustainable Freight Transport: The Case of Integrated Freight Management and the Application of the "User Pays Principle", the "Polluter Pays Principle" and the "Subsidiarity Principle" - Maxime Plante, egidd-EcoTariff			

	Time	Event	Speakers/Moderators
		Speaker	Key Technical Research and Construct of China-Canadian Real-Time Electronic Freight Management System - Gao Xiaoyun, Research Institute of Highways, Ministry of Transport, China
		Speaker	ITS in China's Ports and the Research on Sino-Canadian Cooperation in Supply Chain Management Standards - Ni Peng, Waterborne Transportation Institute, China
		Panel Discussion	Privacy Issues - Chaudiere Room
		Moderator	Lidvina Rajabalan, Transport Canada
		Panelist	Barry Pekilis, Senior Research Coordination Officer, ITS Policy Branch, Transport Canada
		Panelist	Kara John, VP Intellectual Property and Privacy, DMTI Spatial
		Panelist	Colin McKay, Director, Research, Education and Outreach Branch, Office of the Privacy Commissioner of Canada
		Panelist	Teresa Scassa, Canada Research Chair in Information Law, Faculty of Law, University of Ottawa
		Panelist	Victoria Matthews, TransCore Link Logistics
		Panelist	Andrew Foti, Partner, Gowling Lafleur Henderson LLP
		Panelist	Pete Costello, Senior Manager, Public Sector, INRIX
	15:00~15:30	Networking & Exhibition	International Ballroom
	15:30~17:00	Concurrent Session 5A	Technical Papers - ITS Planning - Joliet/Frontenac Rooms
		Moderator	Kevin Wylie, City of Ottawa
		Speaker	Deployment Planning for Operations and Maintenance Decision Support in the City of Calgary - Sarah McDonald and Mark Pinet, AECOM
		Speaker	Implementing ITS Technologies in the New Rapibus Corridor in Gatineau - Éric Bertrand, AECOM
		Speaker	New Bedford City-Wide Intelligent Transportation System (ITS) - Rebecca Morgan and Nick Day, IBI Group
		Speaker	Role of ITS in Multimodal Emergency Evacuation Plans: Framework and Case Study on City of Toronto - Hossam Abdelgawad, University of Toronto
		Speaker	The Strategic Importance of Intelligent Transportation Systems in Planning and Operating a Public Transit Service - Salah Barj, Société de transport de l'Outaouais
		Concurrent Session 5B	Technical Papers - Active Transportation Management - Richelieu Room
		Moderator	Leon Shneider, Vaisala
		Speaker	Advanced Traffic Control and Surveillance System for Hong Kong Route 8 - Simon Lau, Delcan Corporation
		Speaker	Operation and Maintenance of ITS Infrastructure - Jatinder Hayer, EPCOR
		Speaker	National Capital Region (Ottawa-Gatineau) Traffic Incident Management - Jama Mohamed, City of Ottawa
		Speaker	The Windsor-Essex Parkway Advanced Traffic Management System Procurement - Steve Jacobs, URS Corporation
		Speaker	Simulation Study and Field Operational Test for Active Traffic Management Implementation - Tony Qiu, University of Alberta
		Concurrent Session 5C	Technical Papers - New Developments - Chaudiere Room
		Moderator	John Freund, Sirit
		Speaker	An Innovative Approach to Multi-Lane Free-Flow Tolling - Daniel Scholz, Vitronic
		Speaker	Managing Freeway Traffic Through Application of ITS: Development of a New Ramp Metering Algorithm - Jennifer Armstrong, Carleton University
		Speaker	Planning and Setting up Quality Public Transport Services in Developing City of Indore, India - Ashutosh Atray, Ace Driving & Road Safety Education Pvt. Ltd.
		Speaker	Review of Road Pricing Seminar Outcome: IBEC Seminar, Stockholm, September 2009 - William Johnson, TRENDS
		Speaker	Operation Condition Assessment Method of Rural Freeways in China - Haifeng Jiang, Research Institute of Highway Ministry of Transport, China
	18:00~22:00	Banquet & Awards	Canadian Museum of Civilization
Wednesday, June 16, 2010	7:30~10:00	Registration	Lower Lobby
	7:30~8:30	Breakfast	International Ballroom
	7:30~8:30	During Breakfast	Women in ITS Interest Group: Networking ... look for designated tables at breakfast - International Ballroom
	8:30~10:00	Concurrent Session 6A	Special Session - Emerging International Market Opportunities - Joliet/Frontenac Rooms
		Moderator	Carl Kuhnke, ITS Canada
		Speaker	China: Wang Xiaojing, Program Manager of Joint Research, Research Institute of Highway, Chinese Ministry of Transport
		Speaker	India: Amitabh Bajpai, President, ITS India
		Speaker	India: Ashutosh Atray, President, ACE Driving Safety and Education
		Speaker	Malaysia: Whai Nung (Simon) Chan, Senior Manage, ItraMAS Technology Sdn Bhd
		Concurrent Session 6B	Technical Papers - Traveller Information - Richelieu Room
		Moderator	William Johnson, TRENDS
		Speaker	Ontario's Traveller Information Services - Dennis Tessarolo and Richard Carson, Ministry of Transportation of Ontario
		Speaker	Nationwide ATIS Feasibility Study - Bryan Rogers, Castle Rock Associates
		Speaker	Mobile Phone Applications: An Emerging ATIS - Katie Lutz and Ata Khan, Carleton University

Time	Event	Speakers/Moderators
	Speaker	Road Information in the Province of Saskatchewan - Mark Pinet, AECOM
	Speaker	Regional Traveller Information Integration from Mode to eNotification - Tom George, NITTEC
	Concurrent Session 6C	Technical Papers - Traveller Information - Chaudiere Room
	Moderator	Brett Farrell, Roche ltée
	Speaker	California's Central Valley: Tule Fog Detection System - Cory Edgar, PBA Engineering
	Speaker	Technological Advancements in Acquisition of Weather Data and Detection of Road Condition - Karl Schedler, LUFFT GmbH
	Speaker	Alberta ATIS and AMA's Mobile Data Collection System - Melinda Tracey, IBI Group
	Speaker	The Architecture of Internet of Things of China - Liu Zhi-shuo, Beijing Jiaotong University
10:00~12:00	Tour 4: OC Transpo Transitway & Control Centre	Bus departs at 10:00.
10:00~10:15	Break	Convention Lobby
10:15~11:45	Concurrent Session 7A	Technical Papers - Automated Enforcement - Joliet/Frontenac Rooms
	Moderator	Jeffrey Smart, Tacel
	Speaker	Automated Enforcement and Changes in Weather - Sgt. Clive Marsh, Calgary Police Department
	Speaker	Strategic Commercial Vehicle Enforcement to Reduce GHG Emissions and Infrastructure Damage - Rod Klashinsky, International Road Dynamics
	Speaker	Improving Rural Work Zone Safety in California Using Augmented Speed - Ted Smith, Noblis
	Speaker	New Mexico's Smart Roadside Inspection Program - Enrique Cramer, Intelligent Imaging Systems
	Speaker	Calgary's Automated Lane Reversal System - Yeatland Wong, City of Calgary
	Concurrent Session 7B	Special Session - Emerging Canadian Research Programs - Richelieu Room
	Moderator	Stanley Hung, LEA Consulting
	Speaker	Green ITS - Bruce Hellinga, University of Waterloo
	Speaker	ONE-ITS - Baher Abdulhai, University of Toronto and Mohamed El-Darieby, University of Regina
	Speaker	Cognitive Vehicle - Ata Khan, Carleton University, and Bob Burrows, G4 Apps
	Concurrent Session 7C	Technical Papers - Traveller Information - Chaudiere Room
	Moderator	Durga Panda, Image Sensing Systems Canada
	Speaker	Border Wait Time Measurement at Ontario's International Border: An Update - Tim Schnarr, Delcan Corporation, and Roger Browne, Ministry of Transportation of Ontario
	Speaker	New Methodologies in Travel Time Studies - Roy Hulli, IBI Group
	Speaker	Adding Significant Accuracy To Weather Forecasts, Beyond What Models Alone Can Achieve - Jeremy Duensing, Telvent DTN
	Speaker	Developing a Regional ITS Architecture using Turbo and Version 2.0 of the ITS Architecture for Canada - Geoff Knapp, IBI Group
11:45~13:00	Luncheon & Closing Plenary	Closing Plenary: Michael Bailey, William Johnson, Rob Shirra, Carl Kuhnke
13:15~15:00	National Workshop	ITS Architecture for Canada, Version 2.0 - Joliet/Frontenac Rooms
	Moderator	Pierre Bolduc, Transport Canada
	Speaker	Geoff Knapp, IBI Group
	Speaker	Ian Kilgour, IBI Group
	Panelist	Dennis Tessarolo, Ministry of Transportation of Ontario
	Panelist	Guillaume Longchamps, City of Montreal
15:00~15:15	Break	Convention Lobby
15:15~17:00	International Workshop	Traveller Information Services and 511 - Joliet/Frontenac Rooms
	Moderator	Scott Crombie, Transport Canada
	Speaker	Don Szarko, Alberta Motor Association
	Speaker	Wally Hiding, Yukon Department of Highways and Public Works
	Speaker	Susan Spencer, Transport Canada
	Speaker	Dennis Tessarolo, Ministry of Transportation of Ontario