

Monday, April 30 Hennepin Room

Session	Presentation Title	Authors	
7:30 - 8:00 a.m.	Continental Breakfast - Exhibit Floor		
P1: Plenary Session 1 8:00 - 9:15 a.m.	Moderator: Joseph Lam, Delcan Corporation		
	Welcome by Joseph Lam, Chairman of ITS Canada, and by the Mayor of Niagara Falls Opening address by Honourable Donna Cansfield, Minister of Transportation, Ministry of Transportation of Ontario, and Minister Velu, Malaysia (invited)		
9:15 - 9:45 a.m.	Coffee Break		
P2: Plenary Session 2 9:45 - 10:30 a.m.	Moderator: Heather McClintock, Ontario Ministry of Transportation		
	Jeff Paniati, U.S. Department of Transport, Federal Highway Administration		
H1: Intelligent Borders - The Way Forward 10:30 - 12:00 noon	Moderator: Tom George, NITTEC		
	H1-1	Ontario's Action Plan for an Intelligent Border Crossing	J. Sabeau (Transport Canada), A. Bacchus (MTO) and T. Schnarr (Delcan)
	H1-2	The Border Information Flow Architecture (BIFA) - A Framework for Co-ordination at Canada-U.S. Borders	G. Knapp (IBI Group)
	H1-3	Border Wait Time Measurement: State-of-the-Art Review	T. Schnarr (Delcan)
	H1-4	Implementation of the Queue Warning System (QWS) along the Approaches to the Canada-U.S. Border	K. Tai (MTO) and R. Lee (Delcan)
	H1-5	Securing the Flow of Goods and Services across the Canada US Border	N. Leach (Stragitek Inc.)
12:00 - 1:30 p.m.	Lunch - Keynote address by Len Crispino, President, Ontario Chamber of Commerce		
H2: Transport Canada's Initiatives and Future Vision for ITS 1:30 - 3:00 p.m.	Moderator: Homayoun Vahidi, IBI Group		
	H2-1	Government Policy Thrusts and their Implications for ITS	H. Borges (Transport Canada)
	H2-2	Global Commerce and International Opportunities for Canadian ITS companies	N. McNiven (Foreign Affairs and International Trade)
	H2-3	Towards a New National Strategy for ITS in Canada	S. Spencer (Transport Canada)
3:00 - 3:30 p.m.	Coffee Break		
H3: Traveller Info Systems - What's Next NOW! 3:30 - 5:00 p.m.	Moderator: Michael Bailey, NAVTEQ		
	H3-1	Real-time Vehicle Localization for Next Generation of Road Navigation System	Z. Hu, C. Wang, F. Lamosa, and K. Uchimura (Kumamoto University, Japan)
	H3-2	The Role of Traveller Information in Winter Maintenance	M. Pinet (TSH)
	H3-3	511 Traveler Information IVR Technology	B. Isenberg (LogicTree Corp)
	H3-4	Migration to Digital Video: A Plan for Niagara COMPASS	F. Tam (MTO) and I. Nelson (IBI Group)
6:00 - 10:00 p.m.	BANQUET - see below		

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Session	Presentation Title	Authors	
7:30 - 8:00 a.m.	Continental Breakfast - Exhibit Floor		
8:00 - 10:30 a.m.	Plenary Sessions - see Hennepin Room		
C1: Traffic Monitoring - Can You 'See' Me Now? 10:30 - 12:00 noon	Moderator: John Greenough, LEA Consulting		
	C1-1	Integrated Corridor Management	L. Neudorff (Siemens)
	C1-2	Integration of Traffic Operation Centres and Emergency Operations	P. Masters (Ministry of Transportation of Ontario)
	C1-3	Improving Road Safety via Incident Management: Implementing a Video Image Processing System	J. Smart, S. Boghal (Traficon)
	C1-4	Obtaining Traffic Conditions by Tracking Cell Phones: Existing Systems and Remaining Challenges	P. Izadpanah and B. Hellinga (University of Waterloo)
12:00 - 1:30 p.m.	Lunch - Keynote address by Len Crispino, President, Ontario Chamber of Commerce		
C2: ITS - Now and the Future 1:30 - 3:00 p.m.	Moderator: Scott Stewart, IBI Group		
	C2-1	Système de gestion de file d'attente et de calcul de temps de parcours sur l'autoroute 15 à l'approche du poste de frontière de St-Bernard-de-Lacolle	S. Le (Ministère des transports du Québec) and M. De Santis (LYNX Technologies Inc.)
	C2-2	Cooperative Lane Assignment Optimization on an Automated Highway	T. Dao, C. Clark, and J. Huissoon (University of Waterloo)
	C2-3	Models for Intelligent Winter Road Maintenance	L. Fu and V. Kim (University of Waterloo)
	C2-4	3D Vehicle Detection and Measurements from Multiple Viewpoints for Automatic Traffic Monitoring	Z. Hu, C. Wang, F. Lamosa, and K. Uchimura (Kumamoto University, Japan)
	C2-5	Reducing Transit Passenger Travel Anxiety through Advanced Real Time Information and other Improvements via the Implementation of ITS Programs	A. Bata (New York City Transit)
3:00 - 3:30 p.m.	Coffee Break		
C3: The Science of ITS 3:30 - 5:00 p.m.	Moderator: Doug Gubbe, Novax Industries		
	C3-1	Day-to-day variability of signalized intersection performance and the importance for field evaluations of ITS applications	Z. Abdy and B. Hellinga (University of Waterloo)
	C3-2	Locating Changeable Message Signs in a Freeway-Arterial Network	L. Fu (University of Waterloo)
	C3-3	Measuring the Impact of Distraction on Driver Behaviour	H. Colbert, B. Webb, E. Kittel, A. Morton, and H. Angel (Human Systems)
	C3-4	Combined Lateral and Longitudinal Vehicle Control Using Reinforcement Learning for Dynamic Collaborative Driving	L. Ng, C. Clark, and J. Huissoon (University of Waterloo)
6:00 - 10:00 p.m.	BANQUET		
	Address by Honourable Lawrence Cannon, Minister of Transport, Infrastructure and Communities Presentation: Sherman Zavitz, Official Historian for The City of Niagara Falls and the Niagara Parks Commission, presenting "Niagara Falls: A World's Wonder"		

Tuesday, May 1 Hennepin Room

Session	Presentation Title	Authors
8:30 - 9:00 a.m.	Continental Breakfast - Exhibit Floor	
H4: International Perspectives on ITS 9:00 - 10:00 a.m.	Moderator: Eliabeth Birriel, Florida DoT Ton van Oijen, Imtech, Netherlands Susana Asencio, Director-Urban Development, City of Guatemala Jennie Martin, ITS UK Elizabeth Birriel, Florida DoT	
10:00 - 10:30 a.m.	Coffee Break	
H5: Border Crossing and Other General Issues - International Round Table 10:30 a.m. - Noon	Moderator: Joseph Lam, Delcan Corporation Nico Anten, Connekt, Netherlands Amir Kassim, Malaysia John Miles Ankerblod International, UK Joined by H4 speakers for the Round Table discussion	
12:00 - 1:30 p.m.	Lunch	
H6: Traffic Management - Tools & Applications 1:30 - 3:00 p.m.	Moderator: Mara Bullock, IBI Group	
	H6-1 Variable Speed Limit Systems for Freeways: What do we know about their safety and operational impacts?	B. Hellinga (University of Waterloo) and P. Allaby (IBI Group)
	H6-2 Development of Rule-Based Traffic Plans for Management of Expressways, Tunnels and Bridges	R. Lee and S. Lau (Delcan)
	H6-3 Expanding a Condition Reporting System to an Advanced Traffic Management System (ATMS)	K. Virshbo (Castle Rock Associates)
	H6-4 Development and Evaluation of Motorist Delay-Awareness System (MODAS) For Niagara Peninsula Border Crossings	A. Kam (MTO), B. Abdulhai (University of Toronto) and I. Kaysi (American University of Beirut)
	H6-5 CascadeGatewayData.com: Development and applications of a bi-national archive of high-resolution cross-border traffic data	M. Miller (Whatcom Council of Governments) and A. Sanderson (University of Washington)
3:00 - 3:30 p.m.	Coffee Break	
H7: Technology & Deployment Advances 3:30 - 5:00 p.m.	Moderator: Phil Masters, Ontario Ministry of Transportation	
	H7-1 Test Beds for Non-Intrusive Vehicle Detection Sensors	L. Zhang, L. Rilett, E. Jones, B. Naik and J. Appiah (University of Nebraska, Lincoln)
	H7-2 Computer Aided Dispatch (CAD) Trends and Integration with Traffic Management	R. Chylinski (Delcan)
	H7-3 Improving Accuracy of AID Systems: Lessons Learned over Two Years in a Canadian Environment	J. Cai, M. Shehata, W. Badawy (University of Calgary) and A. Radmanesh (City of Calgary)
	H7-4 New Technologies in Advanced Traffic Management Systems – A Practitioner's Experience	L. Whittaker (MTO)
	H7-5 The Regulatory Environment for Cross-Border Freight in a Security Focused Era	G. Chow, D. Frank and A. Gados (University of British Columbia)

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8:30 - 9:00 a.m.	Continental Breakfast - Exhibit Floor	
C4: Traveller Information Systems - What's Up? 9:00 - 10:00 a.m.	Moderator: Chris Philp, iTrans Consulting	
	C4-1 Advanced Traveler Information	J. Waldman (Quixote Transportation Technologies)
	C4-2 Minnesota's experience in bringing commuter travel times to 511	P. Davies and K. Virshbo (Castle Rock Associates)
	C4-3 Regional Scale Traveller Information	J. Buck (City of Ottawa), M. Pinet (TSH), and W. Johnson (TRENDS Consulting)
10:00 - 10:30 a.m.	Coffee Break	
C5: "ITS" Good Business Sense 10:30 - 12:00 noon	Moderator: Eric Labrie, CDWare Technologies	
	C5-1 ITS Standards – International Interoperability	W. Johnson (TRENDS Consulting) and L. Sabounghi (Sabounghi & Associates)
	C5-2 ITS Protecting Saskatchewan Roads	B. Taylor (International Road Dynamics)
	C5-3 Malaysia ITS System Architecture	A. Kassim (Ministry of Works, Malaysia), H. Kwang (HMS Perunding Sdn Bhd, Malaysia), and J. Lam (Delcan)
	C5-4 911-ATMS Integration in Support of Improved Traffic Incident Management: RTIMIS	M. Haas (Open Roads Consulting)
	C5-5 ITS In Developing Countries – A Gateway to Prosperity	J. Greenough, S. Hung, S. Apparao (LEA Consulting Ltd.)
12:00 - 1:30 p.m.	Lunch	
C6: Smart Transit Applications - "Would You Believe...?" 1:30 - 3:00 p.m.	Moderator: Rob Shirra, RGS Consulting International	
	C6-1 Improving Transit Service with Advanced Automated Passenger Counting Systems	R. Harding (Coast Mountain Bus Company) and R. Shirra (RGS Consulting)
	C6-2 ITS Applications Utilizing Modern Radio Communication Technologies	B. Tritter (Delcan)
	C6-3 Enhanced Transit Signal Priority Control Algorithm - An Emerging Direction	S. Hung and J. Greenough (LEA Consulting), A. Shalaby (University of Toronto), J. Lee (University of Toronto), M. Bowie (Fortran Traffic Systems)
	C6-4 Case Study of Collier County Florida – Implementing a signalized arterial corridor control system	M. Ouellette (EIS)
3:00 - 3:30 p.m.	Coffee Break	
C7: The "Crunch" - Economic & Safety Concerns 3:30 - 5:00 p.m.	Moderator: Jacques Legault, Daktronics Canada	
	C7-1 Electronic On-Board Recorders, Smart Card and Digital Signature Technologies to Improve CVO	P. Bolduc (Transport Canada)
	C7-2 A Review of the Economics of Winter Focused Safety Investments	M. Pinet (TSH)
	C7-3 Improving Safety and Mobility with Smart Work Zones	B. Taylor (International Road Dynamics), R. Bushman (University of Saskatchewan) and Curtis Berthelot (University of Saskatchewan)
	C7-4 Enforcing Road Traffic Laws Across National Borders - The European Experience	C. Wilson (IBI Group)
	C7-5 Transportation and Supply Chain Security	B. Wilkins (Pinkerton Consulting)