



2015  
May 24-27



National Capital Region  
Hilton Lac-Leamy  
3, du Casino boulevard  
Gatineau, Quebec, J8Y 6X4

**ACGM**  
ANNUAL CONFERENCE  
AND GENERAL MEETING

*Collaboration for better  
Connection-smart Highways,  
smart Cities, smart Transport*

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## Chair's Greetings



On behalf of the Board of Directors, let me welcome you to ITS Canada's 18<sup>th</sup> Annual Conference and General meeting in Canada's Capital Region and the beautiful city of Gatineau, Québec.

This year's theme, ***Collaboration for better Connection – smart Highways, smart Cities, smart Transport***, points to the need for higher levels of integration and connectivity within transportation systems that will ensure seamless mobility for people and goods.

The adoption of “smart” technologies and devices that are in our vehicles, on our persons, and in our communication infrastructure means that there can be a whole new level of sophistication in ITS deployments. With the addition of connected and automated vehicles, ITS projects are taking advantage of the ubiquity of these devices and the information they generate to develop many solutions to address the challenges facing today's world of transportation.

Thanks to the efforts of the local organizing committee, another great ACGM awaits you. With renowned national and international speakers as well as exhibitors, this year's conference promises to be a very informative event that will provide thoughtful insight as we transition to the connected and automated environment of the future.

As we build towards the 24<sup>th</sup> ITS World Congress in Montréal in 2017, this conference is an important component of our new Strategic Plan and your participation is a key factor to its success. Therefore, I look forward to your contribution and to seeing you in Gatineau!

Merci/Thank you!

Michael De Santis, ing.





## Welcome!

ITS Canada is proud to host its 18<sup>th</sup> Annual Conference and General Meeting in the National Capital Region from May 24-27, 2015. The theme of this year's ACGM is ***"Collaboration for better Connection – smart Highways, smart Cities, smart Transport"***. The program outlined here is the result of many hours of effort by the Program Committee and the Local Organizing Committee and we hope that you will be excited to attend this innovative conference and to experience its many topical technical and executive sessions, our exhibition of ITS products and services and the Connected Vehicle Showcase.

We are proud to have been selected by the Review Panel for the new Canadian Transportation Act to present their findings at our conference and to solicit input from our members and our international guests regarding innovation in the national transportation system to achieve greater levels of safety, security, efficiency and timeliness. We will also feature our Annual Awards and Scholarship presentations at the Gala Dinner, so plan to bring your spouse or partner to enjoy all that the Hilton Lac Leamy Resort and the Ottawa-Gatineau area have to offer. We look forward to hosting you in Gatineau, Quebec during the conference and encourage you to consider sponsoring one or more of our events.



Robert Shirra  
Managing Director  
ITS Canada

## Message from the Mayor of Gatineau

Welcome to Gatineau for the conference and annual meeting of the Intelligent Transportation Society (ITS) of Canada that will take place at the Hilton Lac-Lemay hotel from May 24<sup>th</sup> to May 27<sup>th</sup>, 2015.

Across Canada, women and men are looking for practical solutions to ensure efficient, safe and sustainable transportation for the movement of people and goods through the implementation of intelligent technologies and transportation systems.

Let me assure you of the importance expressed by elected officials and citizens of Gatineau for the role and commitment of partners working together to achieve greater connectivity to create smart roads, smart cities and smart transportation.

I hope that your meetings will allow you to discuss new perspectives that will inspire and help you in future developments within your industry.

I also hope that you will enjoy your stay in Gatineau and that you will discover the natural and cultural attractions which make the reputation of our city!

Have a great meeting!



The Mayor,

A handwritten signature in blue ink, which appears to be 'M. Pedneaud-Jobin'.

Maxime Pedneaud-Jobin



**Jim Watson**  
Mayor/Maire

**Office of the Mayor**  
**City of Ottawa**

110 Laurier Avenue West  
Ottawa, Ontario K1P 1J1  
Tel.: 613-580-2496  
Fax: 613-580-2509  
E-mail: [Jim.Watson@ottawa.ca](mailto:Jim.Watson@ottawa.ca)

**Bureau du Maire**  
**Ville d'Ottawa**

110, avenue Laurier Ouest  
Ottawa (Ontario) K1P 1J1  
Tél. : 613-580-2496  
Télec. : 613-580-2509  
Courriel : [Jim.Watson@ottawa.ca](mailto:Jim.Watson@ottawa.ca)

On behalf of Members of Ottawa City Council, it is my distinct pleasure to extend a warm welcome to all those participating in the **18<sup>th</sup> Annual Conference and General Meeting of the Intelligent Transportation Systems Society of Canada (ITS Canada)**, taking place at the Hilton Lac-Leamy in the National Capital Region, from May 24<sup>th</sup> to 27<sup>th</sup> 2015.

I am delighted to offer my moral support to ITS Canada for providing a valuable forum for transportation stakeholders to meet under the theme "*Collaboration for better Connection – smart Highways, smart Cities, smart Transport*". Delegates will have the opportunity to network, as well as to learn more about the latest research and innovations pertaining to transportation system safety, security, efficiency and timeliness. In addition, the Annual Awards and Scholarship presentations at the Gala Dinner will serve to recognize excellence in the industry.

As Head of Council, I want to congratulate the Program Committee, Local Organizing Committee, ITS Canada, guest speakers, exhibitors and sponsors for dedicating efforts, expertise and resources to the successful staging of this annual meeting, featuring a Connected Vehicle Showcase.

As Mayor of the host city, I invite visitors to explore the Ottawa Sports Hall of Fame and the Barbara Ann Scott Gallery at City Hall, as well as the revitalized Lansdowne Park and new TD Place, home of the Ottawa REDBLACKS CFL team, and Ottawa Fury FC North American Soccer League team.

Allow me to convey my best wishes to the participants for a very productive and rewarding gathering, as well as to the visitors for a most enjoyable stay in Ottawa.

Sincerely,

Jim Watson, Mayor/Maire

## SPONSORS

On behalf of ITS Canada and the Local Organizing Committee, we would like to thank the following sponsors for their generous contributions

### EXECUTIVE



Transports  
Canada

Transport  
Canada

### PLATINUM



Ontario

### GOLD



STO

Société de transport  
de l'Outaouais

### SILVER



INTERNATIONAL ROAD DYNAMICS INC.





# ACGM 2015 FORMAT

## Sessions/Special Highlights:

	Plenary/Luncheon Sessions:
	Plenary Session feature a keynote speaker and in some cases also include a panel discussion of high level ITS industry executives focused on a specific topic
	Special Interest Sessions
	The Special Interest sessions will focus on the review of the Canada Transportation Act. This session is designed as open, environment for experts from government, industry, and academia to give presentations about how technological innovation can contribute to improvements in transportation.
	Town Hall Sessions
	The Town Hall session functions as an open forum, providing a panel of experts and attendees with a highly interactive experience that will host the topic of shaping the ITS WC 2017. This interactive session is scheduled for Wednesday, May 27, 2015 and will be open to all attendees and will be chaired by ITS Canada's Technical Committee Chairs and Transport Canada.
	Connected Vehicle Showcase
	Featuring two connected vehicles, APMA Lexus R350 and IMS Connected vehicle
	Technical Sessions
	Technical sessions provide attendees the opportunity to learn the details surrounding the latest transportation technologies, test beds and pilots, and research programs happening in Canada. More than 40 papers and presentations will make up this part of the program around the theme of our conference "Collaboration for better Connection – smart Highways, smart Cities, smart Transport"
	Technical Tours
	Various technical tours in Ottawa and Gatineau will showcase how investment in ITS research is implemented in the National Capital Region.
	Companion Tours
	Various companion tours in the National Capital Region are organized for partners of attendees.
	Technical Committees
	ITS Canada's technical committees are conducting in person workshops at this year's ACGM on Sunday afternoon, May 24, 2015.
	Poster Session
	The first ACGM poster session is a valuable opportunity for authors/students to present their papers and meet with interested attendees for in-depth technical discussions. The poster session will occur on Monday, Tuesday and Wednesday at posted times.
	Registration



## Exhibit

Over 37 exhibitors will showcase their products, innovations, and services in the Beethoven and Chopin ballrooms.

## Connected Vehicle Showcase

Two Connected Vehicles will be showcased in the Mozart ballroom: APMA's connected Lexus R350 and IMS' connected vehicle. Attendees will have an up-close opportunity to get a glimpse of these cars of the future.

## ITS Canada Awards 2015

2015 marks the sixth year of the program, which was originally created to better serve and profile ITS Canada's membership by acknowledging significant and defining people, projects, and initiatives in our Canadian ITS marketplace.

There are four award categories under the current ITS Canada Awards Program. These categories include:

1. Distinguished ITS Canada Member of the Year Award
2. ITS Project/Program Award: Larger Metropolitan Areas, Provincial, or Federal Application Category
3. ITS Project/Program Award: Smaller Metropolitan Area or Rural Application Category
4. New Canadian Commercial/Industry/Academic ITS Technology/Innovation/ R&D Award.

Awards for each category will be formally announced, and recipients awarded, at a special Awards Ceremony and Gala Dinner to be held in the Mozart Ballroom on Tuesday evening, May 26, 2015.

## GENERAL INFORMATION

### Accommodations

A block of rooms have been reserved at the Hilton Lac-Leamy for May 23, 2015 until May 29, 2015. The special room rate is **\$169.00** per room per night plus applicable taxes and will be available until April 23, 2015 or until the group block is sold-out, whichever comes first. Online booking a reservation is simple. [Click here.](#)

### Registrations

Online registration is now open. To register, [click here.](#)

All speakers must register for our ACGM 2015. Below is an overview of the various types of registrations we offer this year.

ACGM 2015 May 24-27, 2015, Gatineau/Ottawa		Fees
<b><u>ACGM 2015 DELEGATE REGISTRATIONS* (plus applicable taxes)</u></b>		
<b>Member Registration</b>		
Early Registration Discount (Nov 1, 2014 - <b>Feb 28, 2015</b> )		\$675.00
Standard Registration ( <b>March 1, 2015</b> - May 24, 2015)		\$875.00
<b>Non-Member Registration</b>		
Early Registration Discount (Nov 1, 2014 - <b>February 28, 2015</b> )		\$775.00
Standard Registration ( <b>March 1, 2015</b> - May 24, 2015)		\$975.00
<b>Student Registration (No Banquet)</b>		
Standard Registration (Nov 1, 2014 - May 24, 2015)		\$300.00
One Day Only Registrations		\$100.00
<b>One Day Registrations (No Banquet)</b>		\$350.00
<b>Speaker Registrations</b>		\$660.00
<b>Exhibitor Booth Personnel</b>		\$270.00
<b>Other</b>		
Additional Banquet Ticket (per person)		\$150.00
<b>Tours</b>		
TBD		\$17.40

## Cancellation policy

All cancellations are subject to the following Refund Policy:

1. No refunds will be issued until after the event.
2. Delegate registration cancellations before February 28, 2015, are eligible for a 100% refund.
3. Delegate registration cancellations received after February 28, 2015 but before April 24, 2015, are eligible for a 50% refund.
4. Delegate registration cancellations received after April 24, 2015, will not be refunded.
5. Delegate substitutions are allowed at any time, but must be made in writing (email) to the Secretariat ([askus@itscanada.ca](mailto:askus@itscanada.ca)) with a copy to [julie@itscanada.ca](mailto:julie@itscanada.ca)

## Operating Hours

### General Registration

Sunday, May 24, 2015	10:00 AM to 5:00 PM
Monday, May 25, 2015	7:00 AM to 3:00 PM
Tuesday, May 26, 2015	7:30 AM to 3:00 PM
Wednesday, May 27, 2015	7:30 AM to 8:30 AM

### Exhibit Hall

#### Exhibitor Move-In

Sunday, May 24, 2015	8:00 AM – 5:00 PM
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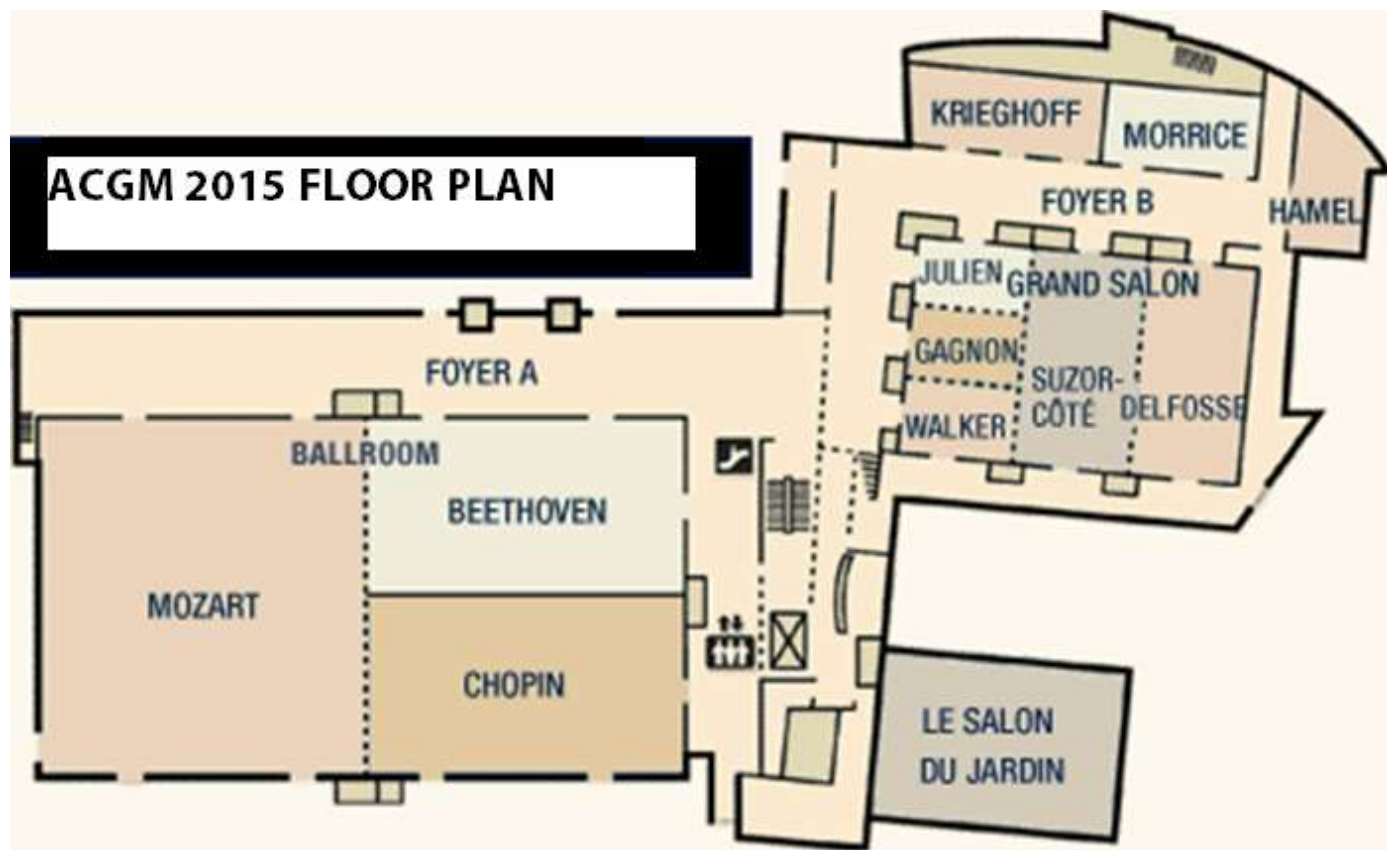
#### Exhibit Hours

Monday, May 25, 2015	7:30 AM – 5:00 PM
Tuesday, May 26, 2015	7:30 AM – 3:30 PM

#### Exhibitor Move-Out

Tuesday, May 26, 2015	3:30 PM – 5:00 PM
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## Hilton Lac-Leamy floor plan ACGM 2015

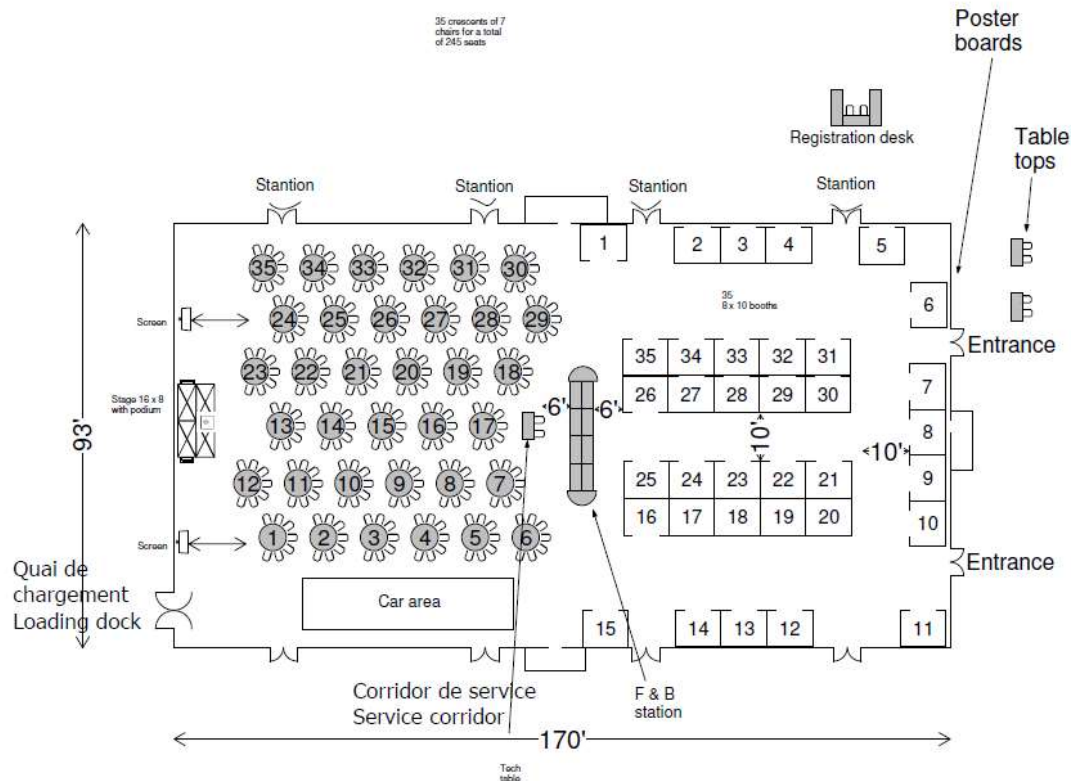


### Each ACGM 2015 delegate will receive:

- \$15 in slot machine PROMOTIONAL CREDITS OR \$20 MATCH PLAY COUPON for table games at the Casino du Lac-Leamy. To take advantage of this offer, each delegate will be required to become a Casino Privilèges member.
- 15% discount at golf club "Le Sorcier" (<http://www.golflesorcier.com/en/>)
- 15% discount at golf club "Gatineau" (<http://www.gatineaugolf.com/>)
- 15% discount at the hotel spa "Amérispa" (<http://www.amerispa.ca/en/our-spas/health-and-beauty-centres/gatineau-hilton-lac-leamy>)



# EXHIBITOR FLOOR PLAN 2015



Exhibitor Name	Booth #	Exhibitor Name	Booth #
<a href="#">Applied Electronics</a>	1	<a href="#">International Road Dynamics</a>	31
<a href="#">AQTr</a>	19	<a href="#">MI-8 Innovations</a>	24
<a href="#">Axis Communications</a>	30	<a href="#">Ministry of Transportation Ontario</a>	28
<a href="#">Barrière QMB</a>	33	<a href="#">Mitsubishi Electric Sales Canada</a>	16
<a href="#">Bell Mobility</a>	20	<a href="#">Mitsubishi Electric Sales Canada</a>	25
<a href="#">Cellint Traffic Solutions</a>	24	<a href="#">Orange Traffic</a>	2
<a href="#">Connected Vehicles &amp; Smart Transportation</a>	7	<a href="#">Parsons</a>	14
<a href="#">Daktronics</a>	12	<a href="#">Siemens RUGGEDCOM</a>	21
<a href="#">Econolite</a>	5	<a href="#">Smartmicro</a>	23
<a href="#">Econolite</a>	6	<a href="#">Tacel</a>	11
<a href="#">Electromega</a>	15	<a href="#">Telenium</a>	26
<a href="#">Fortran Traffic</a>	3	<a href="#">Traffic Vision</a>	13
<a href="#">Fortran Traffic</a>	4	<a href="#">Transportation Association of Canada</a>	34
<a href="#">GEWI</a>	18	<a href="#">TSS</a>	8
<a href="#">GGI Road &amp; Traffic</a>	17	<a href="#">University of Alberta</a>	T1
<a href="#">Graybar Canada</a>	35	<a href="#">Vaisala</a>	32
<a href="#">IBI Group</a>	22	<a href="#">VER-MAC</a>	29
<a href="#">Innovative Traffic Solutions Inc.</a>	9	<a href="#">WatCAR</a>	T2
<a href="#">Innovative Traffic Solutions Inc.</a>	10	<a href="#">3M</a>	27

## CONNECTED VEHICLE SHOWCASE OVERVIEW

### APMA's Connected Vehicle Lexus R350

Today vehicle manufacturers and their suppliers are actively adopting 'rapid technology cycles' in accordance with the standards set in the mobile industry. Connected vehicle technology speaks for itself, pushing the envelope for faster data delivery, interactivity and safety within the entire in-vehicle user experience. The connected car movement is driving convergence of automotive and technology ecosystems at an exponential pace.



The Automotive Parts Manufacturers' Association (APMA) recognizes this as an opportunity to leverage technology advancement that exists in Canada, showcasing the potential of this market convergence in a real world environment.

To this end, the APMA established the Connected Vehicle Working Group (CVWG), bringing together technology leaders from the private, public and academic sectors to collaborate on a unique program: the amalgamation and integration of automotive centric technologies into a fully functional showcase, an Ontario assembled Lexus RX350 donated by Toyota Motor Manufacturing Canada.

The aim of the APMA Connected Vehicle Program is not to simply add a number of disparate systems, sensors, interactions and graphics into a vehicle, but more to demonstrate the art of the possible by seamlessly integrating Canadian technologies into a rolling innovation platform. Phase 1 of the Connected Vehicle Program is comprised of thirteen companies, from all facets of the automotive industry (and beyond), integrating their products into a cohesive and very compelling showcase

## IMS Connected Car Experience:

The IMS Connected Car Experience delivers an immersive driver-centric experience to showcase currently available and prototyped future services that make drivers safer, smarter and greener. Examples of services demonstrated include real-time driver coaching, driver health monitoring integrated with wearable devices and distraction-free technology that supports smarter driver decisions.

World-renowned experts in connected car technology with a portfolio of 150 patents, Intelligent Mechatronic Systems (IMS) showcases unique, real-time experiences with this drivable vehicle powered by the DriveSync® connected car platform. Insight gained from wearable technology is transformed into anticipated driver behaviors. For example, sleep patterns, glucose monitoring levels and abnormal heart rate detection are used to signal driver drowsiness and potential health risks. Before each journey, DriveSync analyzes weather and traffic information to predict expected road conditions. While driving, the DriveSync connected car platform also gives drivers personalized audible coaching when unsafe behaviors are observed; including dangerous speeding, harsh cornering and tailgating.



Central to the DriveSync connected car platform, and also experienced in real-time in the IMS Connected Car Experience, is IMS' comprehensive usage-based insurance (UBI) solution. This innovative offering benefits customers globally, with: contextual scoring analysis, automotive incident detection, first notice of

loss, claims management, green driving reports and integrated roadside assistance. IMS' Connected Car Experience brings the vision for safer transportation and smarter travel to life.

## TECHNICAL TOURS\* and COMPANION TOURS\*\*

\*Each technical tour costs \$20 per person including taxes.

### Tour 1

Sunday, May 24, 2015 1:30 PM to 2:30 PM

[Loretta and MTO Operations Centres \(max 40 participants\)](#)

### Tour 2

Monday, May 25, 2015 – 2:00 PM to 3:15 PM

[Rapibus Corridor and Stations \(max 40 participants\)](#)

### Tour 3

Tuesday, May 26, 2015 2:30 PM to 3:30 PM

[Ottawa Paramedics Service Headquarters and Central Ambulance Communications Centre](#)

### **Companion Tours**

[Tour 1 Sunday May 24, 2015](#) Lac Leamy Outdoor Centre

[Tour 2 Monday, May 25, 2015](#) Canadian Museum of History

\*\* (cost of this tour is \$13 pp)

[Tour 3 Tuesday, May 26, 2015](#) ByWard Market

[Tour 4 Tuesday, May 26, 2015](#) Vignoble du Clos Baillie



# AGENDA-AT-A-GLANCE

Time	Sunday, May 24, 2015	Monday, May 25, 2015	Tuesday, May 26, 2015	Wednesday, May 27, 2015
7.30 AM		Breakfast	Breakfast	Breakfast
8.00 AM		Poster session	Poster session	Registration Poster session
8.30 AM		Opening Plenary - Review of the Canadian Transportation Act	Update on National and International Initiatives	Concurrent Sessions
9.00 AM		Break & Opening Connected Vehicle Showcase	Break & Connected Vehicle Showcase	Break
9.30 AM		Companion Tour 2 Canadian Museum of History	Companion Tour 3 - ByWard Market	
10.00 AM		Canadian Transportation Act Roundtable	Concurrent Sessions	Town Hall Meeting
10.30 AM		Luncheon & Keynote Speakers	Luncheon & Keynote Speakers	Luncheon & Closing Plenary
11.00 AM		Concurrent Sessions	Concurrent Sessions	
11.30 AM		Break & Connected Vehicle Showcase	Break & Connected Vehicle Showcase	
12.00 PM		Concurrent Sessions	Concurrent Sessions	
12.30 PM		Rapibus Technical Tour	Ottawa Paramedic Service Tour	
1.00 PM		Poster Session	Poster Session	
1.30 PM	Loretta Operations Centre Tour	Companion Tour 1	Companion Tour 4 Vignoble du Clos Baillie	
2.00 PM	ATMS & APTS Committee meetings	Concurrent Sessions	Exhibitor Tear-Down	
2.30 PM		ITS Canada Board Meeting	Revenue System Committee meeting	
3.00 PM		Reception ITS Canada Board, LOC 2015, Technical Committee Chairs (by invitation only)	Gala Dinner & Awards Ceremony, Guest Speaker Dave Rodney	
3.30 PM				
4.00 PM				
4.30 PM				
5.00 PM				
5.30 PM				
6.00 PM				
6.30 PM				
7.00 PM				
7.30 PM				
8.00 PM				
8.30 PM				
9.00 PM				
9.30 PM				

## CONFERENCE PRELIMINARY PROGRAM DETAILS

### Canadian Transportation Act Review Panel Advisors

#### **Ms. Marcella Szel**

Ms. Szel has more than 30 years of experience in the transportation industry and is currently chair of the board for TransLink, Metro Vancouver's transportation authority. From 1977 to 2009, she held a number of senior leadership posts at Canadian Pacific Railway, including Senior Vice-President, Sales and Marketing, with North American responsibility for customers, freight revenues, logistics, and intermodal terminals and auto compounds. Prior positions include Vice-President for government affairs, for corporate strategy, and for law. Ms. Szel also serves on the board of Global Transportation Hub (Saskatchewan), is immediate past vice-chair of Port Metro Vancouver, and has held various other directorships. Other leadership roles in the Canadian business community include serving on the board of the Canadian Chamber of Commerce (Chair 1998-1999) and the Western Transportation Advisory Committee (Chair 2007-2009). Ms. Szel holds an LL.B (Honours) and Bachelor of Arts from the University of Alberta (1975). She is a Queen's Counsel (Alberta 1998), was named one of Canada's Top 25 General Counsel (2003), and awarded a Queen's Jubilee medal for community service.



#### **Mrs. Marie-Lucie Morin**

Mrs. Marie-Lucie Morin served as Executive Director for Canada, Ireland and the Caribbean at the World Bank from 2010 to December 2013. Before joining the World Bank Mrs Morin pursued a 30 year career in the Federal Public Service during which she acquired extensive policy, management and communications experience. Mrs. Morin was appointed National Security Advisor to the Prime Minister and Associate Secretary to the Cabinet in November 2008; from 2006 to 2008 she served as Deputy Minister of International Trade and from 2003 to 2006 as Associate Deputy Minister of Foreign Affairs. During the earlier years of her career with the Department of Foreign Affairs and International Trade, Mrs. Morin completed assignments in San Francisco, Jakarta, London and Moscow. In 1997, she was appointed Ambassador to the Kingdom of Norway with concurrent accreditation to the Republic of Iceland, a position she held until 2001. Mrs. Morin was awarded the Governor General's 125th Anniversary of the Confederation of Canada Medal. In 2011, she received the Association of Professional Executives of the Public Service of Canada's (APEX) Global Public Servant Award. Mrs. Morin was named Chevalier de la Légion d'honneur in 2012. Mrs Morin has served on a number of boards and advisory committees, and is currently a member of the Board of Génome Québec. Mrs. Morin, a lawyer by training, is a graduate of the Université de Sherbrooke.

#### **Mr. David Cardin**

Mr. David Cardin served as President of Maersk Canada for 14 years, capping a long career with the AP Moller-Maersk Group. Prior to arriving in Canada, he lived and worked in the United States of America, Denmark and Mexico. His responsibilities included sales, marketing, liner services, and he managed Maersk's North American vessel-sharing agreements in the Atlantic, Pacific and Latin American markets. In Mexico and Canada, he started and led Maersk ventures in 3PL logistics, a proprietary scheduled rail service from Manzanillo to Mexico City, trucking and container depots, as well as expanding vessel port coverage. Mr. Cardin has been involved in work related to the Asia-Pacific Gateway and was a board member of the Shipping Federation of Canada, as well as the Maritime Employers Association in Montreal. He presently serves on the boards of Maersk Supply Service Canada and Milton Hydro. American-born, Mr. Cardin majored in transportation at the University of Tennessee. In 1999, he settled, with his wife and three sons, in Milton, Ontario. He is proud to enjoy the privileges of Canadian citizenship and looks forward to contributing to the enhancement of Canada's transportation system.

## KEYNOTE SPEAKERS



*George L. Cooke,  
Chair of the OMERS Administration  
Corporation Board*



*Nico Anten  
Managing Director Connekt  
ITS Netherlands*




*Eric Sampson  
Senior Programme Advisor on  
ITS World Congresses*



*Randy Iwasaki  
Executive Director, Contra  
Costa Transportation Authority*





*Dave Rodney  
Canada's First Mt Everest  
Two-Time Summiteer, MLA*


Time	Sunday, May 24, 2015	Room
8:00 AM – 5:00 PM	Exhibitor Move-In	Beethoven/Chopin
10:00 AM – 5:00 PM	Registration	Foyer Beethoven/Chopin
1:30 PM – 2:30 PM	<p><b>Technical Tour 1- Loretta and MTO Operations Centre (sponsored by the City of Ottawa)</b> (max 40 participants)</p> <p>The City of Ottawa's Traffic Operations Centre provides a centralized traffic signal control system controlling over 1,130 signalized intersections. Monitoring well over 225 CCTV cameras that provide live video to observe and verify traffic conditions, the Centre can remotely modify traffic signal timing to improve traffic flow and react to incidents. With the ability to monitor and manage traffic flow during construction, incidents, etc., the Centre also dispatches signal and controller maintenance crews, and acts as a command and control centre for multi-agency response during incidents, planned events, major road closures, etc. Hours of operation are 5:00 a.m. to 8:00 p.m. on weekdays, and 10:00am to 5:00pm on weekends. The Centre is also open for special events and incidents when needed.</p> 	<p>Registration desk (Bus leaves the Hilton Lac-Leamy at 1:00 PM)</p>


	<p>MTO's COMPASS Traffic Operations Centre provides incident monitoring along Highway 417, Highway 401 at Kingston and Highway 137 using CCTV cameras, and dispatch for emergency services and highway maintenance throughout the Eastern Region. Other functions include collecting road and weather condition reports from highway maintenance staff, operating electronic variable message signs throughout the Eastern Region, receiving and logging all calls from contractors, emergency service agencies, the public, etc., managing incidents and communicating details of incidents to senior managers through reporting protocols. Hours of operation: 24/7</p>		
3:30 PM – 4:30 PM	<p><b>Companion Tour 1 – Lac-Leamy Outdoor Centre.</b> Have you been sitting on the plane? It is time to stretch your legs! We suggest joining your guide on a short hike to the Centre plein air du Lac-Leamy, an outdoor recreation centre. Located in the heart of the Hull sector and steps from the Hilton Hotel complex, the centre is a wonderful place to discover the wonders of nature and the outdoors. The Lac-Leamy trail boasts a stunning view of the capital and is accessible to everyone. This is an easy 2.5 km walk around the lake.</p>		Registration desk
3:00 PM – 4:30 PM	Advanced Public Transit Systems Technical Committee meeting		Morrice
3:00 PM – 4:30 PM	<p>Advanced Transportation Management System Technical Committee workshop/panel discussion</p> <p><i>"Integrated Corridor Management - Can we do it on a Canadian Budget?"</i></p>		Krieghoff
5:00 PM – 6:00 PM	18 <sup>th</sup> Annual General Meeting of the Society		Mozart
6:30 PM – 8:30 PM	<p>Official Opening Exhibit</p> <p>Welcome reception</p> <p>Welcome remarks – Mr. Michael De Santis, Chair ITS Canada</p>		Beethoven/Chopin



Time	Monday, May 25, 2015	Room
7:00 AM – 3:00 PM	Registration	Beethoven/Chopin
7:30 AM – 5:00 PM	Exhibit Open	Beethoven/Chopin
7:30 AM – 8:30 AM	Breakfast (sponsored by IBI Group)	Mozart
8:00 AM – 8:30 AM	Poster session	Beethoven/Chopin foyer
8:30 AM – 09:45 AM	<b>Opening Plenary – Canada Transportation Act</b> Welcome by Mr. Michael De Santis, Chair ITS Canada Address: Deputy Mayor Bob Monette, Ottawa Address: Mr. Gilles Carpentier, President, Société de transport de l'Outaouais (STO) Address: Paul Feenstra, Senior Vice President for Government & External Affairs, ITS America <b>Address: Marcella Szel, CTA Review Advisor</b> <i>- Review of the Canada Transportation Act</i>	Mozart
9:30 AM – 12:30 AM	<b>Companion Tour 2** – Canadian Museum of History</b> Through artifact collections, research, exhibitions and public programs, the Museum works to preserve the heritage of Canadians and promote the cultures of Canada and the world. Discover the living history of Canada! Treat yourself to a guided tour of our permanent halls. The guided tour starts at 10 am and lasts approximately 45 minutes.	Registration desk
09:45 AM – 10:15 AM	Break and Networking with Exhibitors (sponsored by PBX Engineering) <b>Opening Connected Vehicle Showcase (sponsored by IMS)</b> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>APMA Connected Lexus R350</p>  <p>IMS Connected Vehicle</p> </div> </div>	Beethoven/Chopin

Time	Monday, May 25, 2015	Room
10:15 AM – Noon	<p><b>Canada Transportation Act Roundtable</b></p> <p><i>"Revolutionary change is coming: What the CTA Review needs to know to ensure a safe, secure, efficient and environmentally respectful transport system"</i></p> <p>Moderator: Rob Shirra, Managing Director, ITS Canada</p> <p>CTA Review Advisors: Marcella Szel, Marie-Lucie Morin, David Cardin</p> <hr/> <p><b>ITS Canada Panelists:</b></p> <ul style="list-style-type: none"> <li>– <i>View of key transportation policy issues from around the globe</i> <b>by</b> Prof. Eric Sampson, University of Newcastle</li> <li>– <i>U.S. Perspective on key transportation policy issues</i> <b>by</b> ITS America</li> <li>– <i>Insurance Industry Perspective</i> <b>by</b> George Cooke, IMS Advisor</li> </ul> <p><b>George L. Cooke</b> is Chair of the Board of Directors of OMERS Administration Corporation. In 2012, Mr. Cooke retired as the CEO and a Director of The Dominion of Canada General Insurance Company, one of Canada's oldest and largest general insurance companies. He currently serves as a Director of Hydro One. He also serves as an advisor to the Chief Executive Officer of IMS, a telematics company based in Waterloo, Ontario.</p> <ul style="list-style-type: none"> <li>– <i>Transportation Policy needs related to growth of Connected Vehicles</i> <b>by</b> Mr. Justin Moon, Director of Innovation, QNX, from a Canadian auto-industry perspective</li> <li>– <i>ITS Canada Perspective</i> <b>by</b> Rob Shirra, Managing Director, ITS Canada</li> </ul>	Mozart

Time	Monday, May 25, 2015	Room
Noon – 1:30 PM	<p><b>Lunch</b> (sponsored by the City of Ottawa)</p> <p>Address: The Honourable Lisa Raitt, Minister of Transport (invited)</p> <p><b>Keynote Address:</b> Nico Anten, Director Connekt/ITS Netherlands</p> <p><i>"DAVI – Dutch Automated Vehicle Initiative"</i></p>	Mozart
	<p><b>Nico Anten</b> has been the Managing Director of Connekt since 2004. Connekt is a public, private network that connects parties to work together on smart, sustainable and social mobility in the Netherlands. Connekt consists of more than 120 members, from governmental bodies, companies to knowledge institutes.</p> <p><i>"As a child, I dreamed of being an engine driver and later even becoming an aircraft pilot. Simultaneously, and ever since my childhood have I felt a strong connection with nature and its preservation. To link mobility/logistics with sustainability has thus been the leitmotif throughout my life. As the father of a four-member family, I take up the aim of realizing smart and sustainable mobility. I believe that if government and businesses work together on mobility and logistics, we are able to increase our welfare and improve our wellbeing"</i></p> 	
1.30 PM – 3:00 PM	<p><b>Connected and Automated Vehicles 1</b></p> <p><b>Moderator: Michael Bailey, HERE, a Nokia company</b></p> <ul style="list-style-type: none"> <li>– AV/CV overview, synergies and differences <b>by</b> Barrie Kirk, CAVCOE</li> <li>– MTO's initiatives in CV/AV <b>by</b> Steve Erwin, MTO</li> <li>– Role of software in CVs and AVs <b>by</b> Derek Kuhn, QNX</li> <li>– Impact of AVs on the City of Toronto <b>by</b> Ryan Lanyon and Gregg Loane, City of Toronto</li> </ul>	Julien/Gagnon/Walker
1.30 PM – 3:00 PM	<p><b>Practical Applications of Big/Open Data 1</b></p> <p><b>Moderator: Stanley Hung, LEA Group</b></p> <ul style="list-style-type: none"> <li>– Big Data Challenges &amp; Opportunities &amp; Opportunities for Crowd Sources Data in Smart Cities to support Mobility <b>by</b> Jonathan Darton and Bruno Peters, IBI Group</li> <li>– Using Data Mining and Business Intelligence in an ATMS <b>by</b> Richard Chylinski, Parsons</li> <li>– MATRIX: A practical example of combined geospatial, traffic volume and collision data for improved safety <b>by</b> Indhiran Sundaralingam, IBI Group</li> <li>– Using Innovative Technology for Traffic Planning within the City of Tel Aviv <b>by</b> Alon Blankstein, Cellint</li> </ul>	Suzor-Côté/Delfosse

Time	Monday, May 25, 2015	Room
2:00 PM – 3:15 PM	<p><b>Technical Tour 2– ITS in the Rapibus Corridor (sponsored by STO)</b>  <b>(max 40 participants)</b></p> <p>This tour will cover the Rapibus corridor and stations along its route. Rapibus is a rapid bus transit system implemented in October 2013. It is a high-frequency bus service operating on bi-directional lanes reserved exclusively for buses, from Labrosse to Alexandre-Taché boulevards. Rapibus lanes run along the existing Québec Gatineau railway right-of-way. With its 12-km, bi-directional corridor, 10 stations and reserved lanes through the downtown core, it connects outlying Gatineau areas to downtown Gatineau and Ottawa, providing a new, east-west link in Gatineau. <a href="#">Click here</a> for more information.</p> 	<p>Registration desk          (Bus leaves the Hilton Lac-Leamy at 1.30 PM)</p>
3:00 PM – 3:30 PM	Poster session	Beethoven/Chopin foyer
3:00 PM – 3:30 PM	Break and Networking with Exhibitors - Connected Vehicle Showcase	Beethoven/Chopin
3:30 PM – 5:00 PM	<p><b>Connected and Automated Vehicles 2</b></p> <p><b>Moderator: Barrie Kirk, Executive Director, CAVCOE</b></p> <ul style="list-style-type: none"> <li>– <i>Update on ACTIVE Test-bed Network</i> by Prof. Tony Qiu, University of Alberta</li> <li>– <i>Update on the AURORA Connected Vehicle Test-bed</i> by Prof. David G. Michelson, University of British Columbia</li> <li>– <i>Communications aspects of CVs</i> by Steve Sprouffske, Kapsch TrafficCom Inc.</li> <li>– <i>Roadmap for AVs in Ontario</i> by Fahad Shuja, OGRA</li> </ul>	Julien/Gagnon/Walker



Time	Monday, May 25, 2015	Room
3:30 PM – 5:00 PM	<b>Practical Applications of Big/Open Data 2</b> <b>Moderator: Keenan Kitasaka, ITS Specialist, Associated Engineering</b> <ul style="list-style-type: none"> <li>– <i>Transit, New mobility modes, and data; Perspectives and challenges</i> by Brendon Hemily, Hemily and Associates</li> <li>– <i>An online pluggable framework for real-time deployment of transportation algorithms</i> by Bill Graydon</li> <li>– <i>Speed-up of DTA-based simulation of the GTHA for QUASI real-time ITS applications</i> by Agop Koulakezian, University of Toronto</li> <li>– <i>Innovative uses of maintenance decision support systems as a research tool</i> by Ted Reeler, Amec Foster Wheeler</li> </ul>	Suzor-Côté/Delfosse
5:00 PM – 6:30 PM	Advanced Traveller Information Systems Technical Committee workshop	Krieghoff
5:00 PM – 6:30 PM	ITS Canada Board of Directors Meeting, Outgoing and Incoming (by invitation only)	Salon du Jardin
6:30 PM – 8:30 PM	Reception ITS Canada Board of Directors, LOC ACGM 2015, Chairs Technical Committees (by invitation only)	Salon du Jardin

Time	Tuesday, May 26, 2015	Room
7:30 AM – 3:30 PM	Exhibit Open	Beethoven/Chopin
7:30 AM – 3:00 PM	Registration	Foyer Beethoven/Chopin
7:30 AM – 8:30 AM	Breakfast (sponsored by LEA Group)	Mozart
8:00 AM – 8:30 AM	Poster session	Beethoven/Chopin foyer

Time	Tuesday, May 26, 2015	Room
8:30 AM – 10:00 AM	<p style="text-align: center;"><b>Update on National and International Initiatives</b></p> <p><b>Moderator: Craig Hutton, Director General Strategic Policy, Transport Canada</b></p> <ul style="list-style-type: none"> <li>– <i>Canada-US Regulatory Cooperation Council Workplan</i> by Ryan Klomp, Transport Canada</li> </ul> <p>Launched in 2011, the goal of the Canada-U.S. Regulatory Cooperation Council (RCC) is to better align both countries' regulatory systems and boost North American trade and competitiveness. This will generate a range of benefits for manufacturers, retailers and consumers. The second phase of this initiative began with the August 2014 release of the Joint Forward Action plan, which includes specific commitments to align 24 areas of regulatory business.</p> <p>One of the new areas selected for collaboration is Connected Vehicles. Under the second phase of the RCC, Transport Canada and the U.S. Department of Transportation will coordinate and collaborate on Vehicle to Vehicle (V2V) and Vehicle to Infrastructure (V2I) communications technology and applications development and implementation for light- and heavy-duty vehicles, including architecture and standards to support interoperable deployment. This will include, where appropriate, joint planning and priority-setting, collaborative research projects, as well as information exchanges to support analyses as well as architecture and standards development. Targeted efforts will be made in four areas:</p> <ol style="list-style-type: none"> <li>1. Connected Vehicle cybersecurity, equipment certification and security certificate management systems;</li> <li>2. Spectrum policy analysis;</li> <li>3. Standards and architecture; and,</li> <li>4. Information dissemination and sharing.</li> </ol> <p>Transport Canada will present the Canada-U.S. Connected Vehicle RCC work-plan, which proposes 10 sub-activities that will take place through to December 2019.</p> <p><b>NOTE: A copy of the Connected Vehicles work-plan will be available on the RCC website here:</b>  <a href="http://actionplan.gc.ca/en/page/rcc-ccr/regulatory-cooperation-council">http://actionplan.gc.ca/en/page/rcc-ccr/regulatory-cooperation-council</a></p> <p><b>Ryan Klomp</b> is the Manager of Transport Canada's ecoTECHNOLOGY for Vehicles Program, or "eTV." eTV is a 5-year, \$38 million dollar program that conducts in-depth safety and environmental performance testing on a range of new and emerging advanced passenger car and truck technologies.</p> <p>Continued on next page!</p>	Mozart

– *US Department of Transportation Connected Vehicles Research Update* by Walt Fehr, US DOT

The US DOT's connected vehicle research program is a multimodal initiative to enable safe, interoperable, networked wireless communications among vehicles, infrastructure, and personal communications devices. Federal connected vehicle research has produced a considerable body of work to support pilot deployments, including concepts of operations and prototyping for more than two dozen applications. Concurrent federal research efforts are developing critical cross-cutting technologies and other enabling capabilities required to integrate and deploy applications.

The US DOT's Connected Vehicle research has been organized into the following focus areas:

- Connected Vehicle Technology
- Connected Vehicle Applications
- Connected Vehicle Technology Policy and Institutional Issues

Mr. Fehr will provide an overview of key components of the US DOT's research, including the Connected Vehicle Reference Implementation Architecture (CVRIA), Connected Vehicle Affiliated Test Beds, Connected Vehicle Safety Pilot Program, and the Connected Vehicle Pilot Deployments. More information on DOT activities is available here: <http://www.its.dot.gov/>.

**Walt Fehr** has been the Manager of Systems Engineering for USDOT's Intelligent Transportation System Joint Program Office (ITS JPO) since May 2009. At the ITS JPO, Mr. Fehr leads the research into how the Connected Vehicle Core System will support applications for safety, mobility, and sustainability for all modes including passenger vehicles, transit, and heavy trucks.

– *Canada's national public safety situational awareness system* by Doug Allport, Canadian Public Safety Operations Organization



*Public safety organizations across Canada and across our borders, from the smallest of communities to the largest federal institutions and corporations, are connecting to Canada's Multi-Agency Situational Awareness System (MASAS) to identify and share what is out of ordinary now, and will be in the near future. Road obstructions top the list of what emergency responders need from MASAS, because they impact every call, every day of the year. Connecting provincial and municipal road management systems, and computer aided dispatch (CAD) systems, etc. is key to success!*

**Doug Allport** is the founding Executive Director of the Canadian Public Safety Operations Organization (CanOps), a new national not-for-profit corporation governed by senior public safety officials. Doug has played leading roles in the development, education, and adoption of open structured information standards and systems used within the public safety community; including the national Multi-Agency Situational Awareness System (MASAS), the National Public Alerting System (NPAS), the Canadian Profile of the Common Alerting Protocol (CAP), and the NPAS Common Look and Feel Guidance public alert issuers and broadcasters are now complying with.

Time	Tuesday, May 26, 2015	Room
9.30 AM – Noon	<b>Companion Tour 3 – ByWard Market</b> Take yourself on this approximately 1.5 hours guided tour to learn more about the ByWard Market! The ByWard Market is where Ottawa was born. Established by Lt-Col. John By in 1826, the ByWard Market is one of Canada's oldest and largest public markets. The legendary builder of the Rideau Canal; Lt-Col. By himself laid out the street plan of the Market, designating George and York Streets to be extra wide to accommodate the horse-drawn carriages that brought foodstuffs to the market every day. The tour starts at 55 ByWard Market Square (Market Building) <a href="http://www.byward-market.com/en/HistoricalWalkingTour.htm">http://www.byward-market.com/en/HistoricalWalkingTour.htm</a>	Registration desk
10:00 AM – 10:30 AM	Break and Networking with Exhibitors (sponsored by PBX Engineering) Connected Vehicle Showcase	Beethoven/Chopin
10:30 AM – noon	<b>Smart Cities &amp; New Urban Mobility</b> <b>Moderator: Richard Chylinski, Senior Principal, Systems Project Manager, Parsons</b> <ul style="list-style-type: none"> <li>– <i>Delivering context awareness: the "smart" in smart-anything</i> by Murray Marvin, Flybits</li> <li>– <i>Real-time traffic predictive decision support system for Lyon</i> by Emmanuel Bert</li> <li>– <i>Typical operational analysis vs. robustness-based analysis; the case of traffic in the GTA</i> by Agop Koulakezian, University of Toronto</li> <li>– <i>Rapibus: le nouveau système rapide par bus (SRB) de la Société de transport de l'Outaouais (STO) à Gatineau</i> par Marc Italien, STO et Eric Bertrand, AECOM</li> </ul>	Julien/Gagnon/Walker
10:30 AM – noon	<b>System &amp; Operational Integration</b> <b>Moderator: Phil Masters, Senior Consultant, ITS, Parsons</b> <ul style="list-style-type: none"> <li>– <i>Innovations in ETC classification technology</i> by Stephen Spenler, Kapsch TrafficCom</li> <li>– <i>BC's rural highway – variable speed limit sign system</i> by Cory Edgar, PBX Engineering</li> <li>– <i>Evaluation of contemporary work zone technologies</i> by Chris Philp, CIMA+</li> <li>– <i>Bluetooth-based travel time systems</i> by John Shearer, Iteris Inc.</li> </ul>	Suzor-Côté/Delfosse



Time	Tuesday, May 26, 2015	Room
Noon – 1:30 PM	<p><b>Lunch Address</b> (sponsored by the Ministry of Transportation of Ontario)</p> <p>Eric Sampson, Senior Programme Advisor on ITS World Congresses</p> <p><i>"Invitation to the next ITS World Congress, Oct 2015 Bordeaux, France"</i></p> <div data-bbox="363 412 575 691" data-label="Image"> </div> <p><b>ERIC SAMPSON</b> retired from the Department for Transport in November 2006. Eric has a strong interest in developing academic-industrial collaboration. In 1992 he convened the Waterloo Conference which led to the formation of ITS-UK; he was also a founder member of the international study group that led to the formation of ERTICO – "ITS-Europe" – and has been a member and then Chairman of the ERTICO Supervisory Board. In 1999 he set up the Transport Card Forum, another body of 100+ academic and industrial bodies working together on common problems. He is a Fellow of the Transport Research Foundation and a Visiting Professor at both Newcastle University and City University London. In 2012 he was appointed to the European Commission's High Level Advisory Group on Intelligent Transport Systems and in 2014 to the Commission's Cooperative ITS Platform. He is ERTICO's Senior Programme Adviser on Congresses and has been involved in ITS Congresses since the first in 1994.</p> <p><b>Keynote Address:</b> Randy Iwasaki, Executive Director, Contra Costa Transportation Authority</p> <p><i>"CCTA's GoMentum Station Program"</i></p> <p><b>Randall "Randy" Iwasaki</b> has served as the Executive Director of the Contra Costa Transportation Authority (CCTA) since his appointment in April 2010. CCTA administers a one-half percent sales tax program and serves as Contra Costa's Congestion Management Agency, making recommendations on how state and federal transportation funds will be used in the County. Prior to joining CCTA, Iwasaki was appointed by Governor Schwarzenegger in August 2009 as Director of the California Department of Transportation. He was in charge of the operation of the California state transportation system. Iwasaki serves on a number of national transportation panels and advisory boards and has been named Chair of the National Freight Advisory Committee.</p> <div data-bbox="1339 927 1619 1200" data-label="Image"> </div>	Mozart

Time	Tuesday, May 26, 2015	Room
1:30 PM – 3:00 PM	<p><b>System &amp; Operational Integration</b></p> <p><b>Moderator: Randy Hanson, Executive VP and COO, International Road Dynamics</b></p> <ul style="list-style-type: none"> <li>– <i>Leveraging multi-agency ITS infrastructure in an EPA air quality non-attainment area</i> <b>by</b> Jack Stickel, State of Alaska DOT</li> <li>– <i>Traffic Safety and traveller information</i> <b>by</b> Sinclair Stolle, Iowa DOT</li> <li>– <i>RWIS automated advisory system: centralized advisory system for the control of dynamic message signs</i> <b>by</b> Jacob Hawkes, Schneider Electric</li> <li>– <i>Toronto pioneers travel time messaging on GTA expressways</i> <b>by</b> Roger Browne, City of Toronto</li> <li>– <i>Active traffic management technology</i> <b>by</b> Mark Conrad and Richard Chylinski, Parsons</li> </ul>	Julien/Gagnon/Walker
1:30 PM – 3:00 PM	<p><b>Policy &amp; Regulatory Issues</b></p> <p><b>Moderator: Susan Spencer, President, Susan Spencer &amp; Associates</b></p> <ul style="list-style-type: none"> <li>– <i>If you do what you've always done you'll get what you've always got</i> <b>by</b> Eric Sampson</li> <li>– <i>Challenges for the Insurance Industry, Connected through Autonomous Vehicles</i> <b>by</b> George Cooke, IMS Advisor</li> <li>– <i>Ontario dynamic message sign policy: one (policy) for all and all for one</i> <b>by</b> Maryann Lovicsek, IBI Group and Mike Barnet, MTO</li> <li>– <i>Mileage based charging – where are we?</i> <b>by</b> Usha Elyatamby, IBI Group</li> </ul>	Suzor-Côté/Delfosse
2:30 PM – 3:30 PM	<p><b>Technical Tour 3 - Ottawa Paramedics Service Headquarters and Central Ambulance Communications Centre (max 40 participants)</b></p> <p>The Ottawa Paramedic Service Headquarters is a 100,000 square foot (9300 m<sup>2</sup>) state-of-the-art facility. The building is operational 24/7 and houses all paramedic operations (except for the medical dispatching), a vehicle depot and administrative area for the service. The building is one of the first P3 (Public-Private Partnership) for the City of Ottawa, is not only disaster resistant but also LEED certified.</p>  <p>The Central Ambulance Communications Centre is housed in a 30,000-square-foot (2,800 m<sup>2</sup>) building with the Ministry of Health Field Office and the Regional Paramedic Program for Eastern Ontario (RPPEO, the base Hospital). This specialized centre controls ambulance resources in the urban and rural areas of Eastern Ontario including the City of Ottawa, United Counties of Prescott and Russell, United Counties of Stormont, Dundas and Glengarry, and the City of Cornwall. This centre processes over 150,000 ambulance call assignments a year (2013 data).</p> 	<p>Registration desk</p> <p>(bus leaves the Hilton Lac-Leamy at 2:00 PM)</p>

Time	Tuesday, May 26, 2015	Room
2.30 PM – 4:00 PM	<b>Companion Tour 4</b> – A guided tour of the <i>Vignoble du Clos Baillie</i> , located at the foot of the Gatineau Hills, only 10 minutes from the centre of Gatineau. An artisan vineyard in a countryside location, with high quality wines and free wine tasting! <a href="http://www.quebecvino.com/">http://www.quebecvino.com/</a>	Registration desk
3:00 PM – 3:30 PM	Break and networking with the Exhibitors - Connected Vehicle Showcase	Beethoven/Chopin
3:00 PM – 3:30 PM	Poster session	Beethoven/Chopin foyer
3:30 PM – 5:00 PM	Exhibitors move-out	
3:30 PM – 5:00 PM	<p style="text-align: center;"><b>Smart Cities &amp; New Urban Mobility</b></p> <p><b>Moderator: Ross McKenzie, Managing Director, WatCAR</b></p> <ul style="list-style-type: none"> <li>– <i>Smart city: its closer to home than you think</i> <b>by</b> Tip Franklin</li> <li>– <i>Toronto's new transportation operations centre and the convergence of expressway &amp; arterial traffic management</i> <b>by</b> Gregg Loane, City of Toronto</li> <li>– <i>Integrated Corridor Management (ICM) – next steps</i> <b>by</b> Richard Chylinski and Phil Masters, Parsons</li> <li>– <i>Smart motorways, how did we get here? How smart are they? What next?</i> <b>by</b> Ian Patey, Mouchel</li> </ul>	Julien/Gagnon/Walker
3:30 PM – 5:00 PM	<p style="text-align: center;"><b>Collaboration for better Connection</b></p> <p><b>Moderator: Rob Shirra, Managing Director ITS Canada</b></p> <ul style="list-style-type: none"> <li>– <i>Ville de Montréal et Société de transport de Montréal: partenaires dans l'optimisation des déplacements</i> <b>par</b> Hugues Bessette, Ville de Montréal et Pascal Rochon, Société de transport de Montréal</li> <li>– <i>City of Ottawa Traffic Incident Management Group (TIMG)</i> <b>by</b> Bruno Lepage, City of Ottawa</li> <li>– <i>From integrated corridor management to integrated regional management – Dallas experience</i> <b>by</b> Ahmed Sadegh, Schneider Electric and Todd Plesko, Dallas Area Rapid Transit</li> <li>– <i>On Board Virtual Community for ride sharing to final destination</i> <b>by</b> François Blouin, VIA Rail Canada Inc.</li> </ul>	Suzor-Côté/Delfosse
5:00 PM – 5:45 PM	<b>Revenue Systems Technical Committee Meeting</b>	Krieghoff

Time	Tuesday, May 26, 2015	Room
6:00 PM – 9:30 PM	<p><b><i>ITS CANADA AWARDS CEREMONY AND GALA DINNER</i></b></p> <p><b><i>Guest speaker</i></b> (sponsored by International Road Dynamics)</p> <p><i>Dave Rodney, Canada's First Mt Everest Two-Time Summiteer, CEO of Spirit Quest Enterprises, MLA, Humanitarian</i></p> <p><b><i>"It's Smart to Collaborate: Climb Beyond Your Next 'Summits', Together!"</i></b></p> <p>What are <i>your</i> next personal and professional "Everests" in life; and how are you going to achieve them, in these times of fast-paced transition? When we travel towards goals that are truly worth striving for, we are faced with a myriad of situations which we will either consider as problems that threaten our dreams, or as challenges which will enhance our development. This breathtaking multi-media presentation, with spell-binding pictures, videos, and stories from the highest point on the planet, will focus on goal setting, teamwork, and strategy. You will gain new insights as to how you can reach new heights, right down here at work and at home; and you will return to the routine--refreshed, renewed, and re-invigorated!</p> <div data-bbox="365 971 648 1354" data-label="Image"> </div> <div data-bbox="667 992 1625 1279" data-label="Text"> <p>Dave Rodney is the first Canadian to successfully scale to the summit of Mt Everest—twice! He has earned three university degrees including his masters, and is an international keynote speaker, adventure guide, entrepreneur, and educator. He has been featured in over 20 books and documentaries, &amp; his work has been utilized by the likes of National Geographic, Life, Discovery, Oprah, and more. He began serving in the Alberta Legislature in 2004 including as Assoc. Minister of Wellness, Chair of the Alcohol &amp; Drug Abuse Commission, and on dozens of committees. With his wife Jennifer, "Sherpa Dave" is the co-founder of "The Top of the World Society for Children"; and they have two adventurous young boys</p> </div> <div data-bbox="1360 613 1633 987" data-label="Image"> </div>	Mozart Ballroom



Time	Wednesday, May 27, 2015	Room
7:30 AM – 8:30 PM	Registration	Foyer Beethoven/Chopin
7:30 AM – 8:30 AM	Breakfast	Mozart
8:00 AM – 8:30 AM	Poster session	Beethoven/Chopin foyer
8:30 AM – 10:00 AM	<p><b>Collaboration for better Connection</b></p> <p><b>Moderator: Rob Shirra, Managing Director ITS Canada</b></p> <ul style="list-style-type: none"> <li>– <i>Géo-traffic: The City of Montreal's dynamic database which optimizes mobility through the island in real time</i> <b>by</b> Hugues Bessette, City of Montreal and Regis Balzard, AECOM</li> <li>– <i>IT vs ITS: collaboration for better connection</i> <b>by</b> Roger Browne, City of Toronto</li> <li>– <i>Disruptive technology, automation and impact upon road network operations</i> <b>by</b> Ian Patey, Mouchel</li> <li>– <i>Towards a regional ITS architecture for public transportation: the STI process</i> <b>by</b> Stéphanie Adam, AMT and David Prévile, CIMA+</li> </ul>	Julien/Gagnon/Walker
8:30 AM – 10:00 AM	<p><b>ITS &amp; Freight</b></p> <p><b>Moderator: Usha Elyatamby, Associate Director, IBI Group</b></p> <ul style="list-style-type: none"> <li>– <i>Use of decision support system within a Customized evacuation and recovery model and simulation tool (CSMT) for the PANYNJ</i> <b>by</b> Matthew Juckes, Aimsun</li> <li>– <i>ITS at international borders</i> <b>by</b> Mike Barnet, Ministry of Transportation Ontario</li> <li>– <i>Commercial Vehicle &amp; Freight Movement V2I Technologies</i> <b>by</b> Enrique Cramer, Intelligent Imaging Systems</li> <li>– <i>Freight Advanced Traveler Information System (FRATIS)</i> <b>by</b> Mark A. Jensen, Cambridge Systematics</li> </ul>	Suzor-Côté/Delfosse
10:00 AM – 10:30 AM	<p>Break (sponsored by PBX Engineering)</p> <p>Connected Vehicle Showcase</p>	Mozart

Time	Wednesday, May 27, 2015	Room
10:30 AM – noon	<b>Town Hall Meeting - <i>Planning for the 2017 World Congress – Vision into Action</i></b>  Open to All Attendees <b>Facilitators: Robert Shirra, ITSC Managing Director and Michael De Santis, Chair, ITS Canada</b> All Delegates, Technical Committees and Transport Canada (TBD)	Mozart
Noon – 1:15 PM	Closing Luncheon of the 18 <sup>th</sup> Annual Conference and General Meeting (sponsored by IMS) Recognition ACGM Local Organizing Committee 2015 Keynote address Speaker (TBA)	Mozart

	<b>POSTER SESSION Participants</b>  <i>Impact of fairness of transmission and QoS on VANET networks congestion management</i> by Christian Dechamplain and Prof. Ilham Benyahia, Université du Québec	Beethoven/Chopin Foyer
	<i>3D Visualization of 5<sup>th</sup> Ave S Lane Reversal</i> by Yeatland (“Yeats”) Wong, P. Eng., City of Calgary, Roads	

## EXHIBITOR DESCRIPTIONS

Applied Electronics	1
Applied Electronics is Canada's leading solutions designer, supplier and integrator of professional broadcast, audio visual and data management technology. Providing specialized services including system design, custom component fabrication, off-site pre-build, integration, programming, and after-sale support, Applied Electronics has the resources, expertise, technology partnerships, and innovative solutions to improve workflows, communication and collaboration for companies with media integration requirements	
Orange Traffic	2
The company results from the merger of two companies that have been solidly established in the industry for many years. Orange Traffic specializes in the manufacturing and distribution of an array of high-quality and ISO 9001 certified devices for the traffic signage and signal industry. The company's human and innovative approach is what sets it apart.	
Fortran Traffic Systems Ltd.	3-4
Based in Toronto, Fortran Traffic Systems Ltd. is a leader in the North American traffic industry, providing totally integrated, turnkey transportation solutions. Fortran offers a challenging environment that fosters creativity and rewards excellence. Our team specializes in the design, development and manufacture of real-time, mission critical traffic management and control systems.	
Econolite	5-6
Since 1985, Econolite has provided ITS solutions across Canada. With factory direct sales and service, Econolite ensures products will be supported throughout their entire lifecycle. <a href="http://www.econolite.ca">www.econolite.ca</a>	
Connected Vehicles & Smart Transportation	7
The goal of the CVST project is to build a flexible and open application platform that integrates advanced sensor communications with mobile computing techniques in a cloud-based infrastructure. This platform can be used to create pervasive smart management applications to improve the safety and efficiency of public transportation.	
Transport Simulation Systems (TSS)	8
TSS-Transport Simulation Systems (TSS) develops and supports the integrated Aimsun traffic modelling software environment and also Aimsun Online, the real-time decision support system for traffic management. Now with offices in Barcelona, New York City, Sydney, London and Paris, TSS services users in 68 countries, including government agencies, consultancies and academic users.	

## Innovative Traffic Solutions (ITS)

9-10

Innovative Traffic Solutions (ITS) is an enterprising traffic and safety solution provider who denotes excellence in industry standards. Our strength is our collective knowledge, dynamic thinking and industry experience. We are proud of our roots and adhere to our principle of providing our customers with exceptional and reliable solutions.

## Tacel

11

Tacel Ltd, incorporated in 1979, is a diverse and dynamic company that has become one of Canada's leading suppliers of Intelligent Transportation Systems (ITS) and Traffic Control Devices. We manufacture and distribute the industries best quality products, and are ISO 9001:2008 registered. Please stop by booth #11 and say hi!

## Daktronics

12

A world-wide reputation for quality and reliability, an extensive line of DMS products and 25 years of transportation industry experience give Daktronics its strong lead in the ITS display market. Daktronics has installed more than 4,000 Vanguard® DMS in North America, guiding millions of motorists every day. Learn more at [Daktronics.com/ITS](http://Daktronics.com/ITS).

## TrafficVision

13

TrafficVision image processing software is designed for proactive traffic management by analyzing existing and new highway CCTV traffic cameras at the TMC/TOC. Be more efficient and leverage your existing infrastructure by receiving real-time incident alerts and highly accurate data from the overwhelming number of cameras.

## Parsons

14

Since 1944, Parsons has been a trusted name in transportation, providing engineering and construction services on transportation projects of any size and complexity.

An early pioneer in the development of intelligent transportation systems (ITS), Parsons has 25 years of leadership in ITS and an international reputation for defining industry best practices in systems design, development, deployment, integration and operation.

## Electromega

15

We are providing, in the transportation field across Canada, expertise, services and solutions in areas of advanced traffic management systems, traffic control systems, data collection, detection systems, on street and off street parking systems, roadway security, intelligent transportation systems, LED video display and LED area lighting.

## Mitsubishi Electric Display Wall Systems

16-25

Mitsubishi Electric Display Wall Systems are used in real-time 24x7 (DLP) or non-24x7 (LCD) mission-critical control room applications where multiple operators simultaneously interact with a large high resolution Common Operating Picture, sharing critical data, graphics and video from multiple sources required for informed decision-making. With our partners Activu, Transnomis and Winsted, we provide complete turn-key ergonomic control room solutions for real-time visualization and enhanced operational performance.



## Get Go Inc (GGI)

17

GGI Road & Traffic offer solutions that are reliable and easy to use. We proudly distribute Iteris Roadway Sensor products in Eastern Canada consisting of Radar and Video Vehicle Detection, SmartCycle Bicycle Detection and Velocity Travel Time Systems. In Ontario we are the distributor of Lufft RWIS Sensors.

## GEWI

18

Founded in 1992, GEWI is the developer of TIC, a commercial off-the-shelf (COTS) software platform for information services, proven since 1997 in commercial and government projects operating worldwide. TIC Connects Systems – Vehicles – Travelers and is a cost-effective, robust, and scalable alternative compared to build-your-own systems. TIC is available from GEWI in Europe, North America, and Asia, and from partners globally.

## L'Association québécoise des transports (AQTr)

19

Founded in 1964, the Association québécoise des transports (AQTr) aims to mobilize the transportation community in order to facilitate the sharing of knowledge and training within the industry. Thanks to the expertise of its members, the AQTr is Quebec's leading transportation forum.

## Bell

20

Bell offers business customers across Canada blazing fast speeds, high quality coast-to-coast coverage and global roaming to more than 200 countries on a full range of wireless voice and data communications products.

## Siemens RUGGEDCOM

21

The RUGGEDCOM product line from Siemens enables end-to-end communications solutions for world's most complex transportation systems, including urban communications systems, interurban communications systems and bridge and tunnel communications systems. RUGGEDCOM products are able to withstand the harshest environmental conditions and comply with NEMA TS 2 environmental requirements.

## IBI Group

22

IBI Group is a globally integrated architecture, planning, engineering, and technology firm. From high-rises to industrial buildings, schools to state-of-the-art hospitals, transit stations to highways, airports to toll systems, bike lanes to parks, we design every aspect of a truly integrated city for people to live, work, and play.

## Smartmicro

23

Smart Microwave Sensors is the manufacturer of the UMRR 3D sensor used for ITS, traffic control, and speed enforcement related applications. Easy to install and not affected by adverse weather conditions, the UMRR is applicable for triggering, traffic data collection, and may be integrated to fully adaptive intersection control systems.

## Cellint Traffic Solutions

24

Cellint is a global provider of area-wide traffic information solutions based on cellular network data, as well as transportation planning tools, such as origin destination analysis. Cellint's unique technology assigns GPS coordinates to the huge amount of control channel messages that are available at the cellular network.

## Telenium

26

As Canada's leading ATIS provider, Telenium Inc. understands the inner workings of provincial and municipal governments. We encourage and promote discussion to determine your needs. With a track record for innovative solutions, we help you create new efficiencies and an improved level of service.

## 3M

27

3M is dedicated to providing best-value systems and exceptional services to the electronic toll industry. With broad toll industry experience in systems support, customer service, violations processing, video billing, toll operations, and program management, 3M can provide the toll solutions and services to manage and help support your entire project. URL: <http://goo.gl/X1HMRR>

## Ministry of Transportation Ontario

28

The Ontario ministries of transportation and economic development, employment and infrastructure, and research and innovation are working together to make Ontario a connected/automated vehicle friendly jurisdiction.

## Ver-Mac

29

Ver-Mac is a worldwide leading manufacturer of electronic traffic control equipment including portable and permanent variable message signs, arrowboards, speed signs, camera trailers, sensor trailers, and temporary traffic signals. Ver-Mac's JamLogic software brings intelligence to work zones by providing realtime traffic management solutions.

## Axis Communiations

30

Axis offers intelligent security solutions that enable a smarter, safer world. As the global market leader in network video, Axis is driving the industry by continually launching innovative network products based on an open platform—delivering high value to its customers and carried through a global partner network. Axis has long-term relationships with partners and provides them with knowledge and ground-breaking network products in existing and new markets.

## International Road Dynamics Inc. (IRD)

31

International Road Dynamics Inc. (IRD) is a highway traffic management products and systems technology company that operates in the worldwide Intelligent Transportation Systems (ITS) industry. IRD's systems and applications include Commercial Vehicle Operations, Weigh-In-Motion, Traffic Data Collection, Safety and Security, Automated Toll, and Telematics.

## Vaisala

32

Vaisala is a global weather solutions provider with nearly 40 years of experience in providing the highest quality road weather sensors available. Vaisala is a true innovator of road weather technology, from our non-intrusive pavement sensors, pioneering mobile technology, to our unmatched experience – Vaisala is your road weather partner

## Versilis

33

Versilis has developed new solutions to maximize safety on our roads for users and workers while minimizing impact on traffic flow. In combination with our SwiftSign automated signage technology, the [SwiftGate lane closure solution](#) is a SAFE, FAST and EASY way to conduct repetitive lane closures and openings from a distance. Versilis is also proud to introduce the most advanced Smart Work Zone system in the industry. Our technologies will provide safety benefits, not to mention time and cost savings.

## Transportation Association of Canada (TAC)

34

The Transportation Association of Canada (TAC) is a not-for-profit neutral forum for exchanging ideas, information and knowledge on technical guidelines and best practices in Canada's transportation and roadways sectors. TAC promotes the importance of transportation to Canada's economic and social well-being, and safe, secure, efficient, environmentally and financially sustainable transportation services.

## Graybar Canada

35

Graybar Canada, an employee-owned company, is a wholesale distributor for thousands of items from leading manufacturers of electrical and communications and data products. Graybar Canada is a subsidiary of Graybar Electric Company Inc., a Fortune 500 company, and one of the oldest and largest North American electrical distributors.

## ACTIVE-AURORA Connected Vehicle Test Bed Network

T<sub>1</sub>

The ACTIVE-AURORA Connected Vehicle Test Bed Network in Edmonton and Vancouver is the first of its kind in Canada. This initiative is a partnership among the University of Alberta, University of British Columbia, three levels of government (Transport Canada, Alberta Transportation, and the City of Edmonton), and industry. The Centre for Smart Transportation leads the research on the Edmonton component

## University of Waterloo Centre for Automotive Research (WatCAR)

T<sub>2</sub>

WatCAR is Canada's leader in the development of real-time wireless communication applications utilized between vehicles, infrastructure, and smartphones. Our connectivity and systems research contributes to ITS advances in; Public transit operations & planning, Traffic management & simulation modeling and Powertrain optimization. Collaborate with uWaterloo/WatCAR expertise and accelerate your product development

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\* As of May 2015



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ITS Canada is thankful for this year's efforts by the Local Organizing Committee. Without their support, our ACGM 2015 would not be possible.

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