



ITS Canada News

Carl's Corner

One of the areas that ITS Canada is continually striving to strengthen is service to our members. We want you to truly believe that your membership dues are an investment, not an obligation, and that what you get out of your membership far exceeds the cash (and in many cases time) that you put in.

Over the past year, we have focused the industry opportunities we send to you, tightened the newsletter to make it a timelier, more responsive and relevant piece of information, and expanded our Annual Conference and General Meeting to strengthen the technical program. Our Membership Services Committee is now reviewing our membership fee structure, again, to examine any changes necessary to meet a changing environment. Finally, your Board of Directors met in a full-day session October 15th to embark on a renewal of the Strategic Plan for ITS Canada. Our Chair, Mike Bailey, will have something to say about that in next month's issue, fitting as it is for the New Year.

Your comments and suggestions are always welcome, and I again encourage you to write to me or call me directly with improvements, suggestions and just plain input!

Speaking of annual meetings, our strong Local Organizing Committee, chaired by Board Member Bill Johnson, is already hard at work on the 2010 Conference, to be held in Ottawa, our nation's capital, from June 13-16, 2010. You will shortly see an announcement and call for technical papers, and I encourage all of you to consider submission early and often! The technical component of the program has been growing steadily in both size and reputation, and this year's theme of:

"ITS For Efficient, Safe and Clean Transport"

really says it all. The ITS community needs to make it known in Canada and around the world that 'intelligent transportation' is not some niche corner of a group of far-out engineers, but a major influence on the lives of Canadians and the environmental sustainability of our neighbourhoods, cities and provinces. The sector is bursting with new technologies in planning, communications (IntelliDriveSM for example), and deployment. The coming Conference will go a long way to ensuring that this message is carried, particularly with the chosen location. Please support the Conference with your early registration, your volunteer participation, and your submission of topical papers to be reviewed and presented in front of an audience of over 300 ITS professionals from Canada and around the world. I say "around the world" because, in an upcoming newsletter, we should have some news about some interesting international visitors that will be a formal component of our Annual Conference for the first time.

Carl Kuhnke,
Executive Director
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ITS Canada News

It's time to recognize Canadian ITS success stories!

ITS CANADA AWARDS ~ CALL FOR NOMINATIONS

*By John Greenough,
Chair – ITS Canada Awards Program*

The Member Services Committee of ITS Canada is excited to announce the inaugural ITS Canada Awards Program for 2010.

As members of ITS Canada, you all work hard to broaden and enhance the ITS landscape in Canada and around the world. You research, develop, and engineer systems and products that are implemented to provide safer, more efficient, and sustainable transportation system infrastructures. You operate and maintain ITS systems and services on a daily basis to better serve the public. And, you administer and manage ITS projects and programs that benefit a vast number of people within cities, regions, and the nation. The ITS Canada Awards Program was created to specifically recognize, within our membership and beyond, Canadian ITS leaders, projects, programs and initiatives that have contributed significantly to advancing ITS.

Within the ITS Canada Awards Program, there are four award categories under consideration. These categories include:

Distinguished ITS Canada Member of the Year
Larger Metropolitan Areas, Provincial, or Federal ITS Project/Program Award
Smaller Metropolitan Area and Rural ITS Project/Program Award
New Canadian Commercial Technology/Innovation or Research and Development Award

Only one award will be issued per category each year. Generally, nominated projects or programs must be completed, in proven operation, and not more than three years old. Additional award criteria for nominated individuals, projects or programs are included in the **Awards Program and Nominations Package**, which may be downloaded from ITS Canada's website at: www.itscanada.ca/awards. The website also includes more details about the program.



Nominations for each award category must be submitted by ITS Canada members and are **due at the ITS Canada Secretariat no later than January 31, 2010**.

All award recipients will be formally recognized at a special awards ceremony being held at the 2010 ITS Canada Annual Conference and General Meeting in Ottawa, Ontario, between June 13-16, 2010. To be eligible for award consideration, nomination submissions must include a statement that, if awarded, the recipient agrees to attend the awards ceremony. A notice of the award winners will also be presented in all of ITS Canada's publications and will be forwarded to other associations for announcement in their respective publications.

If you have any questions regarding the Awards Program, please contact:

John Greenough
Chair, ITS Canada Awards Program
Tel: (905) 470-0015, Ext. 228
Email: jgreenough@LEA.ca.

ITS Canada looks forward to receiving your nominations!

Funding

The **Going Global Innovation** program provides financial assistance to pursue international partnerships in innovation, science and technology. For Canadian researchers from private companies, universities and non-government research centres, if your project is approved, you could receive a contribution up to 75 percent of eligible expenses, such as travel and related costs (airfare, hotel, etc.), and other non-research expenses (meeting costs, translation, etc.) For more information, visit:

www.tradecommissioner.gc.ca/eng/science/going_global.jsp

IntelliDrive

*By Bob Burrows,
Chair – ITS Canada's IntelliDrive Task Force*

At a meeting of the IntelliDrive Working Group hosted by the United States Department of Transport (October 29 and 30) that was open to all parties, there were two main themes. IntelliDrive is moving forward towards implementation for all surface transportation modes and applications, and getting there will require participation and innovation from a wide array of government and industry players. As stimulation to all of us, AASHTO put forward their commitment to have IntelliDrive infrastructure operational by 2014, and NHTSA stated their intention to have an IntelliDrive ruling in place by 2013 -- not very far away.

The meeting was very well attended with over 180 people present, including 28 people from across all agencies in the USDOT, as well as representatives from several state DOTs. Canada was represented as well. The primary focus was to achieve new ways of working together that include much wider and more direct participation by state and local governments, manufacturers of all surface vehicle types, transit agencies, commercial transportation interests, and suppliers of systems, components and software.

The importance and confidence in utilizing IntelliDrive to reduce transportation's impact on the environment was evident in several discussions, as well as reflected in the appointment of a leader for environmental applications and benefits within the ITS Joint Program Office. Driver distraction has been elevated even further as a concern over the past few months, making it a vital component of research and evaluation going forward, led by NHTSA.

In the end, on the applications side, we agreed to start off with three focus areas: safety, mobility, and environmental. We will start with those to get organized, and then add others as we go. Work will continue on core technologies and standards, such as DSRC and the use of commercial wireless networks.

*IntelliDriveSM is a service mark of the
U.S. Department of Transportation*

ITS Warrants Project

By Doug Gubbe, Chair – ITS Canada Architecture & Standards Committee

The ENTERPRISE Pooled Fund, a group of public transportation agencies who have banded together to work on projects of mutual interest, have undertaken to investigate the concept of developing and using warrants for ITS devices. In the initial pilot phase, the ENTERPRISE group has developed warrants for the following technology devices:

- Closed Circuit Television (CCTV)
- Dynamic Message Signs (DMS)
- Highway Advisory Radio (HAR), and
- Road Weather Information Systems (RWIS).

The warrants are intended to assist agencies to determine whether deployment of devices at specific locations is justified (warranted), as well as to validate existing device deployments.

The ENTERPRISE Pooled Fund, including member agencies Transport Canada and the Ministry of Transportation of Ontario, has now funded a second phase of the ITS Warrants Project. During the second phase, warrants will be developed and tested for additional ITS devices. Also, project funding will be used to engage the transportation community, seeking feedback on the ITS Warrants and ideally identifying the appropriate agency to house future ITS Warrants development and maintenance.

A workshop on the ITS Warrants projects was part of ITS Canada's Annual Conference last spring in Edmonton, where input was gathered from the community on the development of the new Warrants while allowing participants to offer input on which agency they think might ultimately maintain and 'champion' the warrants concept in Canada. This information sharing process continues.

For more information, visit the ENTERPRISE Pooled Fund website and select "Current Projects":

www.enterprise.prog.org



ITS World Forum

By Carl Kuhnke, Executive Director – ITS Canada

Your Executive Director and 25 other organizations attended the launch meeting of the ITS World Forum in Stockholm. It was organized by ITS Arab, ITS Netherlands, ITS Italy and ITS South Africa with the objective of discussing the need / desire for a global ITS organization to coordinate international ITS developments. The majority expressed full support for the IWF, with many attendees wishing to return to their respective organizations for internal discussions before making formal statements. The meeting concluded with a unanimous resolution to continue developing the IWF scope and structure.



Nico Anten, Managing Director of ITS Netherlands said, "It is likely that the European ITS Nationals will transform into an independent network with its own legal entity, which will create an excellent opportunity to create one global network." Olga Landolfi, Secretary General of ITS Italy added, "We are putting in all efforts for making this possible". Dr Paul Vorster, CEO of ITS South Africa said. "We welcome a global IWF since we are eager to share in global best practices across all regions."

Mohammed Serroukh, Director General of ITS Arab and Acting Chair of the IWF meeting, said, "The possibility of building consensus with all interested parties is certainly an opportunity that we would support and encourage, but this needs to be done within a reasonable timescale".

IWF (or any other agreed name) is to be established as a not-for-profit independent organization dedicated to the development and deployment of ITS. The IWF Steering Committee will continue developing contacts with ERTICO, IBEC, IRF, PIARC, UITP and other interested parties with the aim of consolidating efforts.

What do you think of the concept? Let us know your thoughts!

Transportation Summit

On March 2-3, 2010, Strategy Institute's **8th Annual Urban Transportation Summit** will once again bring together all key stakeholders who are serious about implementing integrated transportation solutions and technologies. With over \$5-billion in federal funding available for infrastructure development throughout Canada, 2010 is an unprecedented year for growth and innovation in the transportation industry. Unparalleled funding options coupled with commitments to environmental sustainability and technological innovations will mark 2010 as a banner year.

"With an emphasis on the future of transportation, this year we are bolstering our focus on transportation technologies and intelligent transportation systems," notes Heather Findlay, Conference Producer at Strategy Institute. "We are bringing together the global leaders in ITS, including Jeremy Evans, Head of Technology Delivery Group, Transport for London (UK), and ITS Canada's very own Executive Director, Carl Kuhnke, to dialogue with industry leaders about the future of ITS in Canada."

As a high-level executive summit bringing together key government decision-makers from all levels of government with transportation and infrastructure professionals from across the globe, Strategy Institute's Urban Transportation Summit is the ideal forum for identifying cutting-edge transportation trends while connecting with all the movers and shakers in the industry.

For more information contact:

Himani Dureja

Tel: 416 944 9200, Ext. 269

Email: Dureja@strategyinstitute.com.

For event details, please visit:

www.strategyinstitute.com/030210_uts8/transportation2010.pdf



ITS CANADA COMMITTEE REPORTS

Annual Conference Planning

*By Chris Philp,
Chair – Annual Conference Planning Committee*

This Committee's main objective is to develop and maintain a plan to identify locations, themes and potential key speakers for future ITS Canada Annual Conferences.

ACTIVITIES

The Committee has been active over the past year in a number of key areas, including:

- Development of documents and reference materials for future Local Organizing Committees (LOC), including templates for:
 - Budgeting
 - Sponsor prospectus
 - Roles and responsibilities
 - Agreements.
- Establishment of a secure web page on ITS Canada's website for LOC use, for storage and dissemination of documents
- Identification of an LOC Chair for the 2010 Annual Conference, to be held in Ottawa
- Participation in initial meetings to mobilize the Ottawa LOC
- Acquisition/update of information on future venues
- Identification of a preferred location for the 2011 Conference (Vancouver).

Should members wish to participate in any aspect of planning and preparation for Annual Conferences, please contact ITS Canada's Secretariat to be directed according to your interests.



Member Services

By Stanley Hung, Chair – Member Services Committee

The Member Services Committee (MSC) is comprised of a dedicated group of participants who meet to discuss and resolve MSC related tasks and issues. The current committee members include:

- Stanley Hung, LEA Consulting (Chair)
- John Greenough, LEA Consulting (Vice Chair)
- Paul Frigon, PSR Group
- Trevor Hanson, University of New Brunswick
- William Johnson, TRENDS Consulting
- Steve Kemp, Region of York
- Jeff Smart, Tacer Ltd.

The Committee regularly makes minutes of meetings available through ITS Canada's website in order to keep members apprised of ongoing activities. Some key activities recently undertaken by the MSC include:

- A New Member Orientation program has been implemented to provide more of a personal touch for new members, to allow them to orient themselves more quickly and become more actively involved in ITS Canada. A new member orientation web page was created to provide a summary of ITS Canada activities and key contacts. A survey is also being created to better capture comments about ITS Canada and its services from new members. The program now offers a mentoring service to new members as well.
- The MSC has continued to refine ITS Canada's new Awards Program, including announcements, a nomination package, budget, and web pages. Please see the Awards Program announcement article in this edition of the newsletter for more information.
- The MSC continues to investigate opportunities to improve the website. Suggestions from members are welcomed.
- Daily updates from the ITS World Congress in Stockholm were organized by the MSC, with assistance from ITS Canada's Executive Director Carl Kuhnke.

If you wish to learn more about the activities of the MSC, or if you would like to participate in future meetings, please feel free to contact Stan Hung (shung@LEA.ca).



Members in the News

In October, **INIT, Innovations in Transportation, Inc.** celebrated its 10th anniversary and also signed a contract with American Bus Products to install a Computer-Aided Dispatch and Automated Vehicle Location (CAD/AVL) system at the **Toronto Transit Commission** – Wheel-Trans. The contract includes mobile data terminals and backup cameras on 110 new paratransit vehicles. Wheel-Trans, the paratransit division of TTC, provides door-to-door accessible transit service for persons with physical disabilities. The new vehicles will also use GPRS and GSM for data and voice communications. The equipment will be installed over the next two years. INIT's CAD/AVL system (MOBILE-ITCS) will allow dispatchers to view real-time and historical locations of vehicles and manage voice and data communication with the drivers. Vehicles will be equipped with INIT's new mobile data terminal (TOUCHmon), which will allow drivers to communicate via data or voice with dispatchers, and to see live views from the rearview analog camera.

International Road Dynamics South Asia (IRDSA), a wholly-owned subsidiary of **International Road Dynamics**, has been awarded two contracts from leading Indian concessionaires for the design and implementation of integrated tolling and traffic management systems. Under the first contract, IRDSA will set up a tolling plaza and provide an integrated traffic management system in southern India. The second contract is for the implementation of tolling systems at three connected toll plazas in India's Madhya Pradesh Province. The cumulative value of these two contracts is approximately \$1.5 million Cdn. IRDSA is associated with approximately 800 toll lanes across India, working with almost 80% of Indian concessionaires.

iTRANS Consulting Inc. has announced its merger with HDR, an employee-owned architectural, engineering and consulting firm with more than 8,000 professionals in 186 locations worldwide. HDR ranked 13th overall in the Engineering News-Record Top 500 Design Firms survey for 2009 and 8th in transportation. The HDR | iTRANS transportation consulting practice in Canada will continue to be headed by Tyrone Gan.

The Michigan Department of Transportation (MDOT) is now collecting real-time traffic speed and condition data for 3,200km (2,000 miles) of roads from **NAVTEQ**. The US\$1.1 million, five-year deal is for 200 miles of highway information, with the remainder of statewide information provided free of charge. The information is used by MDOT to tell motorists about traffic conditions and to recommend alternative routes, especially along congested stretches of I-75 and I-94 in the metropolitan areas of Detroit, Flint and Saginaw. MDOT is also using NAVTEQ Traffic to expand its current traffic coverage to highways connecting several regions within Michigan that are outside major urban areas (for primary and secondary roads). In addition to electronic message boards (VMS) along roads and overpasses, drivers can access real-time traffic information and make more informed route choices by visiting MDOT's website. Also used to analyze incident responses, beginning this winter the system will be used to help with snow removal.

On September 29, 2009, the **City of Ottawa** hosted a focus group to discuss the direction that the City's transportation system management (TSM) should take over the next 10-15 years. The intent was to get input from a variety of stakeholders and system users, and to leverage the momentum generated by the recent 511 Summit held in Ottawa. Invited guests included representatives from the local pedestrian, cycling and accessibility advisory committees, Transport Canada, Ministries of Transportation from Ontario and Quebec, Ville de Gatineau, STO, OC Transpo, local police and emergency service departments, taxi companies, trucking associations, as well as the City's Public Works and Planning departments. With a strong turnout and enthusiastic participation, the session was determined a success. Information gathered will now assist the City in setting the foundation of its transportation system management strategy and subsequent plan. Direction on the strategy will be presented to the City's Transportation Committee later this year, with a final TSM plan set for delivery in 2011.



ITS Canada News

Members in the News

Raytheon Company and prime contractor Wilbur Smith and Associates received TEAMFL's annual Chairman's Award for the innovative design of MnPASS, an electronic toll collection system for Minnesota's I-394 highway. TEAMFL is a Florida organization that encourages and honors innovation in toll road operation. Using MnPASS, vehicles carrying only one person can use the high-occupancy vehicle (HOV) lanes along I-394 if the driver pays a toll. The resulting dual mode lane is called a "high occupancy toll," or HOT lane. The project brings other innovations to the highway, including dynamic pricing that varies according to traffic volume and mobile enforcement of HOT lane users. Raytheon supplied MnPASS's toll technology, mobile enforcement capabilities and system integration. September 30th marked the opening of the I35W in Minneapolis, a recent addition to the MnPass system that was completed by **Raytheon Canada**, which continues to provide system maintenance.

Telvent has announced that the New Hampshire Department of Transportation (NHDOT) has awarded it a contract to implement an open road tolling (ORT) system at the Hampton Mainline Toll Plaza in New Hampshire. The contract is valued at approximately US\$2.2 million. The project aims to improve traffic conditions during peak tourist seasons, while maintaining NHDOT's ability to accurately and reliably collect toll revenue. It will also enhance the efficiency and accuracy of toll operations, increasing NHDOT's toll processing capacity and reducing travel times.

Traficon has announced a major Automatic Incident Detection (AID) project in Paris, being deployed in 22 tunnels – the largest tunnel surveillance project of its type ever implemented in the world. Over the next three years, 1,400 cameras linked to Traficon's AID system will be installed. Every tunnel longer than 300 meters is required to be equipped with an AID system to be able to detect major incidents within seconds, including stopped vehicles, smoke, traffic congestion, wrong-way drivers, pedestrians and fallen objects.

The Georgia State Road and Tollway Authority (SRTA) has awarded **TransCore** the contract to provide the RFID technology for the conversion of SRTA's high occupancy vehicle (HOV) lanes to high occupancy toll (HOT) lanes along a 24-kilometre stretch of I-85 in Atlanta. The contract includes RFID tags, antennae, readers, back-office and support services. The HOT lanes are scheduled to open January 2011. The RFID technology will enable electronic toll collection. TransCore will provide hardware, software and other technology for the new toll lane. The combined contracts are valued at nearly US\$7 million.

The American Public Transportation Association recognized **TransLink** with two first-place marketing awards. Translink's new user-friendly website (www.translink.ca), and the public awareness and education campaign about safety and security on the transit system, were chosen as being the best among transit associations throughout North America from 500 entries. The website provides up-to-date information on transit schedules, advisories, alerts, provides the tools to plan transit trips, and creates an online forum for interactive discussion on transportation initiatives. The public awareness and education campaign encourages transit users to be part of the solution to improve safety and security on the transit system by being vigilant, reporting suspicious behaviour and knowing where to turn in case of an emergency.

ITS Standards

ISO Technical Committee 204 is the focus for development of international standards related to ITS. Each year, the Committee releases a document that reviews activities with regard to standardization of intelligent transportation systems. The 2009 report can be downloaded from the ISO/TC 204 section of ITS Canada's website, below (or contact ITS Canada's Secretariat):

www.itscanada.ca/english/standards_overview.htm



Upcoming Events ... Visit ITS Canada's website for more events

2009

ITS for Mobility and Safety Management Combined with ITS Canada Mission to India

December 1 to 2, 2009 – Delhi, India
www.itsindia.org/ap2009/prograame.htm

Gulf Traffic

December 6 to 8, 2009 – Dubai, UAE
www.gulftraffic.com

Viet Transport

December 9 to 11, 2009 – Hanoi, Vietnam
www.viet-transport.com

Annual Polis Conference

December 10 and 11, 2009 – Brussels, Belgium
www.polis-online.org

2010

Road User Charging Conference

January 13, 2010 – London, England
www.its-uk.org.uk/events

15th SIRWEC Conference 2010 (road weather)

February 5 to 7, 2010 – Quebec City, Quebec
www.sirwec.org

2010 International Winter Road Congress

February 8 to 11, 2010 – Quebec City, Quebec
www.aipcrquebec2010.org

8th Annual Urban Transportation Summit

March 2 and 3, 2010 – Toronto, Ontario
www.strategyinstitute.com/dsp_conferences.php

16th International Road Federation (IRF) World Road Meeting

May 25 to 28, 2010 – Lisbon Portugal
www.irf2010.com

FISITA World Automotive Congress

May 30 to June 4, 2010 – Budapest, Hungary
www.fisita2010.com

Canadian Multidisciplinary Road Safety Conference

June 6 to 9, 2010 – Niagara Falls, Ontario
www.carsp.ca

ITS Canada Annual Conference and General Mtg.

June 13 to 16, 2010 – Ottawa, Ontario
www.itscanada.ca/ottawa2010



**INTELLIGENT
TRANSPORTATION
SOCIETY OF AMERICA**
20th Annual Meeting & Exposition
May 3-5, 2010 • Houston, Texas

Learn more about how the transportation industry is
**Connecting Communities through
Smart Transportation Solutions**

Contact: Sandra Collier at scollier@itsa.org



**Plan now to attend
ITS Canada's Annual Conference and General Meeting
June 13 - 16, 2010 ~ Ottawa, Ontario, Canada**

Theme: "ITS for Efficient, Safe and Clean Transport"

www.itscanada.ca/ottawa2010

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