



ITS Canada News

ITS Canada Election for Chairperson and Board of Directors

ITS Canada's election for Chairperson and the Board of Directors for the 2007 to 2009 term is now in process. Nominations and biographies for candidates have been received and, on February 16, 2007, ballots for ITS Canada's election were mailed to all members.

**Ballots must be returned to ITS Canada
by the close of business on March 16, 2007.**

All members may cast votes for 16 Directors and 1 Chairperson. Sustaining Corporate Members and Corporate Members will receive and should complete 5 ballots. Individual Members will receive and should complete 1 ballot. Candidates' biographies and full details on the voting process can be found on ITS Canada's website at:

www.itscanada.ca/election.

The positions of Director and Chairperson are being filled in accordance with ITS Canada's Bylaw #10, which states: "Directors and the Chairperson shall be elected for a term of two years by the members at an annual meeting of members. Directors may stand for re-election."

Election results will be ratified by a vote of all members in attendance at ITS Canada's Annual General Meeting on Sunday, April 29, 2007, in Niagara Falls, Ontario, Canada. The new Board of Directors and Chairperson will be installed for a two-year term, effective at the conclusion of the Annual General Meeting on April 29, 2007.



ITS Canada Annual General Meeting

ITS Canada's next Annual General Meeting (AGM) will be held at 5:30 p.m. on Sunday, April 29, 2007, at the Sheraton Fallsview hotel in Niagara Falls, Ontario, Canada. The Annual General Meeting will be followed by a cocktail reception in the exhibit hall. All members should plan to attend and to stay for ITS Canada's Annual Conference, being held on May 1 and 2.

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Newsletter published by
ITS Canada.
Submissions or comments can
be e-mailed to
itscanada@itscanada.ca.



Visit ITS Canada's website at
www.itscanada.ca

Framework for the Application of ITS for Traffic Management

Although the implementation of intelligent transportation systems has been steadily moving forward in Canada, there are varying levels of familiarity with ITS in the transportation community. While some industry participants are very familiar with ITS, others are not; some transportation agencies may have implemented ITS applications without identifying them as ITS.

As intelligent transportation systems continue to become mainstream, a need is developing for information that outlines the best practices for planning and designing applications. A few years ago, ITS Canada developed and recommended the concept of an ITS Design Guide. ITS Canada negotiated with the Transportation Association of Canada (TAC) to jointly undertake the project. Through subsequent refinement of the terms of reference by the project steering committee, the project's name was changed to Framework for the Application of ITS for Traffic Management. The project began in September 2005 and is expected to be completed by November 2007.

Under the ITS Architecture for Canada, applications are grouped into eight User Service Bundles:

1. Traffic Management
2. Traveller Information
3. Emergency Management
4. Information Warehousing
5. Commercial Vehicle Operations
6. Electronic Payment
7. Public Transport
8. Vehicle Safety and Control.

Undertaking a design guide for all eight user service bundles at once was considered an impractical project. It was therefore decided to concentrate efforts on the User Service Bundle considered to be of the broadest interest to Canadian users: Traffic Management.

As noted on TAC's website, the objectives of the current project are:

- to define a process that would assist transportation authority decision makers, planners, engineers and operators by providing useful, practical information on ITS applications
- to improve the ITS understanding of road authority decision makers and others, in terms of ITS traffic management capabilities and benefits
- to assist transportation ITS planners, implementers and operators by providing useful, practical information on ITS applications, capabilities, benefits, costs, good ITS design and implementation approaches, considerations and guidelines, and pitfalls and cautions.

The purpose is to assist transportation planners to make sound decisions, and to interact knowledgeably with politicians, senior management, consultants and suppliers, and to help them to better manage ITS projects.

Sponsors of the project include: Alberta Infrastructure and Transportation; Ministère des transports du Québec; City of Edmonton; City of Oakville; City of Ottawa; City of Winnipeg; Ontario Ministry of Transportation; City of Calgary; **ITS Canada**; Nova Scotia Department of Transportation; City of Toronto; Regional Municipality of Durham; Transport Canada; Greater Vancouver Transportation Authority

The project is estimated to be about 75 percent complete and is scheduled for presentation in April at the TAC Spring Meeting in Ottawa. For the latest updates on this project, please visit TAC's website at:

www.tac-atc.ca/english/projectsandpublications/pro-progress.cfm#its

TRB Annual Meeting Report

By William Johnson, Director, ITS Canada and Member, TRB ITS Committee

The Transportation Research Board 86th Annual Meeting in Washington, DC, from January 21-25, 2007, again set a new record for attendance, breaking the 11,000 participants mark, a substantial gain over the 2006 record of 10,300. The spotlight theme this year, "Transportation Institutions, Finance and Workforce – Meeting the Needs of the 21st Century", provided a focus for the 600 sessions.

State of the ITS Industry 2007

The highlight of the TRB Annual Meeting for ITS professionals is the very popular panel session on the state of the ITS industry sponsored by the TRB ITS Committee. This panel includes a speaker from each of the major ITS players in the United States: ITS America, the U.S. Department of Transportation (USDOT), and the American Association of State Highway and Transportation Officials (AASHTO). This year for the first time a representative from the European Commission (EC) was an invited speaker.

Below is a brief summary of the speakers' comments.

ITS America - Neil Schuster entitled his comments "ITS at the Mid-point" in recognition that the National Ten Year Vision for ITS released in 2002 is half way to its goal in 2012. He noted the themes in the Vision that are still priorities – crash avoidance, incident response – and those that have morphed into new configurations, e.g., Integrated National Transport Infrastructure (INTI) into current congestion management. Mainstream awareness raising is still a priority: witness ITS America's sponsorship of a vehicle demonstration at the recent (huge) Consumer Electronics Show (attendance 150,000). ITS markets have grown to an estimated \$1.42 billion by 2006, with a forecast of 12% p.a. growth for the next three years. For the future, ITS America's action plan calls for education and advocacy; working towards 0 fatalities – 0 delays; demonstrating VII (Vehicle Infrastructure Integration); achieving member value; and confirming Congressional support and dollars. To sum up, he said the focus will be on the 4-C's: Champions/Coalitions/Consumers/Communications.

USDOT – Jeff Paniati of the Federal Highway Administration began by introducing the new Director of the ITS Joint Program Office (JPO), Shelley Rowe, who was appointed only three weeks earlier and reports to the new Research, Innovation and Technology Administration (RITA). Jeff began his comments by outlining the concerns that drive USDOT interest in ITS – commuter costs; quality of life; productivity and competitiveness; and public discontent with congestion and pork politics. He outlined the USDOT's six-point plan: relieve urban congestion; unleash private-sector investment; establish corridors; relieve freight bottle necks; expand air capacity; and explore the potential of congestion pricing. There will continue to be a focus on operational and technical improvements: expand 511; deploy DMS; reduce incidents; work zone safety; etc. Here is the challenge: Congestion is not a fact of life! New approaches are needed now!

Shelley Rowe then gave a few thoughts as the incoming Director of the JPO. She noted five major factors: growth of congestion and fatalities; funding shortfalls; fragmented institutions; and explosion of information technology. With data, one can measure performance (need to collect) and, with measures, one can manage. Partnerships can be the key to success but they must be among equal partners and self-supporting. For the role of ITS, she saw technology as providing visibility, performance measures, management tools and greater safety. For the role of the JPO, it will be a catalyst for high-risk, high-value R&D; a promoter of private sector involvement; an agent to ensure public applications; a convener of public meetings and a disseminator of ITS information.

AASHTO – John Horsley outlined the highlights of 2006, including the 50th Anniversary of the Interstate Highway System; AASHTO policy recommendations; progress to deploy 511; and incident management. He then outlined the priorities for ITS in 2007 that will include a national vision for the Interstate System; new surface transportation policy; summits on congestion; a national goal for incident management; 511; VII; and the 14th ITS World Congress.

TRB Annual Meeting Report

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The National Surface Transportation Policy and Revenue Study has ITS-related goals to reduce congestion and improve incident management. The VII test bed in California has 60 miles of instrumented roadway for proof of concept tests in 2007-2008. The key issues are community benefits; funding; and deployment decisions.

EC – ITS Keeps Europe Moving – Ben Van Houtte spoke from the perspective of the Logistics, Intelligent Transport, Innovation and Co-modelling unit in the European Commission (EC). Their approach is to use the right technology and operational use in each mode; hence the term “co-modelling”. ITS is seen as information processing in all modes. The drivers for change are EC transport policy (relieve congestion; safety and security; E.U. cohesion); sustainability (environmental protection; energy efficiency); funding (investment; incentives); and industry promotion. Their working methods include working together with stakeholders on a “master plan”; using a range of policy instruments (regulatory framework; financial instruments; standardization); and fostering international cooperation. Priorities for 2007 include: the 7th R&D Framework (theme is ICT for Mobility); ITS for policy support; promoting vehicle-related ICT/ITS developments (with manufacturers); implementing core ITS services (traveller information; incident management; data quality; traffic management) and pay-as-you-go services (tolling and charging; track and trace dangerous goods; personal ITS).

Chairman’s Luncheon Speaker

The program of the Chairman’s Luncheon included an address by Mary E. Peters, Secretary of Transportation. She spoke about the plans and priorities of the US DOT for 2007. The most important is to reduce fuel consumption in the U.S. by 20% using revised automobile CAFÉ regulations (following the success of the light truck CAFÉ regulations now in place) and initiatives to curb congestion through technology innovation, demonstrations of road pricing, work scheduling, real-time traveller information, and funds for a “Corridors of the Future” program.

ITS Committee Report

The TRB ITS Committee is the focal point for the broad topic of intelligent transportation systems in transportation. As such, it sponsors an active program of panels and sessions at the TRB Annual Meeting, coordinates joint sessions and workshops with other TRB committees, and undertakes reviews, information exchanges and discussion of key ITS issues.

The Chair of the ITS Committee is Steve Shladover, University of California, Berkeley. The ITS Committee met on January 22, 2007, in Washington, to consider plans for a mid-year workshop on ITS research needs (tentatively planned for California in July). It received reports from three members: OmniAir Consortium on their advanced DSRC program; MIT on the MIT-Portugal ITS program; and IBEC on its benefit, evaluation and cost activities. For the 2007 Annual Meeting, the Committee sponsored two panel sessions, four regular sessions plus an open business meeting.

The significant advantage of membership of the ITS Committee is the close contact one has with the principal ITS policy makers, academics and industry leaders in the United States, as well as visitors from overseas. TRB is the most important transportation research organization in the U.S. and its annual meeting attracts the widest cross-section of professionals from the U.S. and worldwide.

ITS Committee Membership

The TRB committee rules permit members from outside the U.S. Canadians are considered a special category and are admitted to committee membership within the regular allotment of 24 members (overseas members fall outside the limit of 24). There is an opening for a Canadian to join the TRB ITS Committee starting in 2007 for a 3-year term. For further information, contact the current Canadian member, William Johnson at johnswf@attglobal.net.

For further information, visit the following websites:

TRB Annual Meeting: <http://trb.org/Meeting>

ITS America: <http://itsa.org>

U.S. DOT: <http://safety.fhwa.dot.gov/>



ITS Canada News

Members in the News



Delcan Corporation has announced the opening of its newest office in Austin, Texas. "The opening of our Austin office is a testament to Delcan's commitment to provide service excellence at a state local level to our clients," said Brian Stearman, President of Delcan's infrastructure business in the U.S. "Katherine Holtz, a senior executive within Delcan, will spearhead our growing business in Texas and nearby states." Delcan staff are currently engaged in several significant assignments in Texas and, by establishing an office in downtown Austin, Delcan demonstrates its commitment to the firm's existing and future clients. Ms. Holtz will be supported by other Delcan professionals, including Richard Mudge, David Brown and Michelle Maggiore, who all currently serve Delcan clients in Texas.



TRAFFIC SOLUTIONS

In January 2007, **EIS** announced that, after extensive comparative testing in Taipei, Taiwan, the City project engineering team has opted to install 175 RTMS™ sensors for mid-block detection as part of their modernization project. This deployment adds to previous UTC deployments in Taiwan, including a large deployment of RTMS units on Taiwan's Sun Yat Sen Expressway, bringing the total deployment of RTMS units in Taiwan to over 400 sensors for the detection and measurement of traffic on roadways.

In February 2007, EIS announced that the United States District Court for the District of Utah has granted summary judgement that EIS does not infringe on Wavetronix's United States Patent No. 6,556, 916, or the '916 patent. This ends over two years of litigation by Wavetronix and vindicates EIS's consistent assertion that it does not infringe the '916 patent.



In January 2007, Applanix announced that their Airborne Digital Sensor System (DSS) has been granted full manufacturer certification by the United States Geological Survey (USGS). The Applanix DSS is a ready-to-use directly georeferenced medium-format airborne camera system that provides digital imaging for aerial surveying and remote sensing applications. With this acknowledgment, the USGS recognizes that the Applanix DSS airborne digital camera system successfully meets with manufacturer claims and is capable of providing quality, consistent image data to support civil government mapping and ortho-photography product development.

In February 2007, Applanix introduced "POSPac AIR Version 4.4", the latest release of the company's post-processing software used to extend the accuracy potential of the POS AV system. Designed to maximize data quality and optimize workflow from project planning through to project completion, POSpac AIR 4.4 is specifically configured for the airborne environment and is compatible with a variety of aerial sensors.

ITS Canada Welcomes New Members

SUSTAINING CORPORATE

Telus
Telvent Farradyne, Inc.

CORPORATE

Strategic Mapping Inc.
Technologies CDWare Inc.



Upcoming Events

ANDINATRAFFIC 2007

February 26 to 28, 2007 – Bogotá, Colombia
www.andinatraffic.com/sa3t/home/index.cfm

SASITS e-Transport Conference

March 6 to 8, 2007 – Pretoria, South Africa
www.sasits.com

Intertraffic China

March 15 to 17, 2007 – Beijing China
www.intertraffic.com

Wireless Communications Application Seminar

March 22, 2007 – Brighton, Michigan
www.itsmichigan.org

Le 42e congrès annuel de l'AQTR

April 2 to 4, 2007 – Montreal, QC
www.aqtr.qc.ca

2007 PIARC International Seminar: "Road Network Operation Management (ITS) and Road Safety"

April 11 to 13, 2007 – Santiago, Chile
Email: josemiguel.ortega@itschile.cl

TAC's Spring 2007 Technical Meetings

April 11 to 18, 2007 – Ottawa, Ontario
www.tac-atc.ca

Smart Moving Conference 2007 / Traffex 2007

April 17 to 19, 2007 – Birmingham, UK
"SMART Solutions for Today" – call for papers
www.its-uk.org.uk

ITS Canada Annual Conference and General Meeting

April 29 to May 1, 2007 – Niagara Falls, Ontario
www.itscanada.ca/niagara2007

CITE 2007 Conference

May 6 to 9, 2007 – Toronto, Ontario
www.itetoronto.ca

15th International Symposium on Electronics in Traffic (ISEP 2007)

May 9 to 11, 2007 – Ljubljana, Slovenia
www.ezs-zveza.si/isep2007/foreword/

Intertraffic Istanbul

May 9 to 11, 2007 – Istanbul, Turkey
www.intertraffic.com

XVII Canadian Multidisciplinary Road Safety Conference

June 3 to 6, 2007 – Montreal, Quebec
www.cmrrsc.polymtl.ca

ITS America 2007 Annual Meeting & Exposition

June 4 to 6, 2007 – Palm Springs, California
www.itsa.org/annualmeeting.html

7th International Conference on ITS Telecommunications (ITST 2007)

June 6 to 8, 2007 - Sophia Antipolis, France
www.itst2007.eurecom.fr

CUTA Annual Conference

June 9 to 13, 2007 – Halifax, NS
www.cutaactu.ca

European ITS Congress and Exhibition

June 18 to 20, 2007 – Aalborg, Denmark
www.itsineurope.com/congress/index.cfm

23rd World Road Congress

September 17 to 21, 2007 – Paris, France
www.paris2007-route.fr

National Rural ITS Conference

October 7 to 10, 2007 – Traverse City, MI
www.nritsconference.org

14th World Congress on ITS

October 9 to 13, 2007 – Beijing, China
www.itsa.org



ITS Canada Annual Conference and General Meeting

Save the dates ... April 29 to May 1, 2007 ... Niagara Falls, Ontario
Early registration discounts end March 2 ... register today!