

9th World Congress a Great Success!

ITS Canada continues its involvement in the World Congress, a premier event bringing together the international ITS community to share ideas and new developments annually. Chicago was a busy place in October, hosting the 26-mile Chicago Marathon as well as the 9th World Congress on Intelligent Transport Systems. World Congress attendees arriving on Sunday were surrounded by the 30,000 Chicago Marathon participants, along with over a million spectators. Excitement was in the air as marathon finishers wrapped in metallic blankets filled the downtown area.

The excitement continued with the 9th World Congress, held from October 14 to 17, 2002. Total registration exceeded 4,000 for the four-day event, slightly surpassing the 3,800 participants at the 8th World Congress in Sydney, Australia. Nearly 200 executive and technical sessions showed strong participation. The exhibit hall, with over 200 exhibitors, included a number of prototype cars that offered onboard navigation, entertainment, and safety-oriented technologies.

Nearly 30 countries were represented at the event, with a balance between American and international attendees. Participation by country included 119 attendees from Canada, 41 from the Australia, 137 from the United Kingdom, 653 from Japan, 85 from Sweden, 117 from Germany, 91 from France, 6 from Malaysia, 82 from South Korea and 17 from China, as well as 1,771 American delegates and staff members.

ITS Canada's exhibit booth included participation by Applanix, EIS, and IBI, along with the Ontario Ministry of Transportation (MTO) and Transport Canada. The booth attracted considerable interest from exhibition visitors. Several ITS Canada members were also represented in their own booths, and all participants reported much interest in Canadian technologies being offered.

During the World Congress, a successful Canadian hospitality event was co-hosted by ITS Canada, Transport Canada and MTO. This social event was highlighted by excellent attendance, a spectacular view of Chicago's downtown and the waterfront, and fabulous food. Many new contacts were made and participants had the opportunity to relax and enjoy conversation at the event.



9th World Congress
Exhibit Floor

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



ITS Canada News



L to R – Doug Morgan (City of Calgary) and wife Tamarra, Erin O'Brien (Transport Canada), Joseph Lam (ITS Canada), Susan Spencer (Transport Canada), Colin Rayman and Heather Navarra (ITS Canada)



ITS Canada's Exhibit Booth
L to R – Rob McCuaig (Applanix), Catherine Hirou (Transport Canada), Doug Morgan (City of Calgary) and Heather Navarra (ITS Canada)



ITS Canada's Hospitality Event



L to R – Sandra Sultana (Ministère des Transports du Québec), Robert Bruce and Mike Ouellette (EIS)



L to R – Dan McQuarrie, Applanix Corporation, and Dr. Donald Prévost, INO



L to R – Bill Johnson (ITS Canada) and Jim Wirachowsky (IRD)



ITS Canada News

Chicago World Congress Comments from our members

"The Chicago ITS World Congress provided an opportunity for ITS Canada to demonstrate its continuing support for ITS World Congresses and to further enhance its reputation for great hospitality!" *Colin Rayman, Vice Chair, ITS Canada*

"The 9th World Congress covered a vast array of subjects, and the exhibits provided an interesting peek at existing deployments, as well as a look into technologies that we will have at our fingertips in the near future. Very interesting sessions were well attended, with engaging speakers from around the world. The Congress provided a valuable opportunity to network with colleagues in the ITS community, especially at ITS Canada's outstanding hospitality events." *Keenan Kitasaka, TransLink*

"The 9th World Congress was well worth IRD's participation. We met a good blend of North American and international contacts, and the exhibition floor space was organized in such a way that we had ample opportunity to meet with everyone. The ITS Canada hospitality event was the icing on the cake, allowing us to extend our hospitality to the people we met at the trade show, and to talk in a relaxed atmosphere." *Terry Bergan, IRD*

"Congratulations to ITS Canada's committee for organizing the hospitality suite. EIS advanced its cause on several significant export opportunities during the evening event, where Canadian hospitality was enjoyed by visitors from around the world." *Robert Bruce, EIS*

"Applanix Corporation's participation with ITS Canada at the World Congresses in Sydney, Australia, and most recently in Chicago allowed us to meet the leaders and innovators throughout the ITS world. The networking opportunities provided by ITS Canada at the booth and at the highly successful receptions helped to magnify our individual abilities." *Rob McCuaig, Applanix Corporation*

ITS Canada Prepares for 10th World Congress

ITS Canada has begun planning to attend the 10th World Congress on Intelligent Transport Systems, to be held in Madrid, Spain, on October 20 to 23, 2003. Our 20' x 30' booth is reserved and is centrally located. ITS Canada members are encouraged to begin planning now to participate in this event. Several companies have already expressed interest in participating, and ITS Canada is planning a significant presence at the show. Express your interest via e-mail to itscanada@itscanada.ca.



ITS Canada Missions to Beijing and Hong Kong

ITS Canada participated in the *2nd Beijing International Exhibition and Seminar on Intelligent Transport Systems*, held from September 9 to 13, 2002. With the 2008 Olympics in Beijing, transportation infrastructure decisions are well underway, and the Canadian presence at the seminar was well timed.

At the Opening Session, Dave Atnikov of Novax Industries, acting as mission leader on behalf of ITS Canada, spoke on *ITS and the Economy*. In addition, the Canadian delegation provided corporate and national architecture presentations to an exclusive Canadian Showcase entitled "Canadian ITS Architecture and Traffic Management Technologies". Further exposure to Canadian ITS technologies was provided at ITS Canada's exhibit booth, which hosted the organization and several ITS Canada members, including Delcan, EIS, IBI, Novax and Signaflex. In appreciation of ITS Canada's efforts to arrive on time and be organized to participate, ITS Canada was presented with an award for "Best Organizer".

Immediately following the mission to Beijing, the ITS Canada mission travelled to Hong Kong at the invitation of the Canadian Consulate, to participate in several activities which included:

- A meeting with ITS Hong Kong to encourage a closer association between ITS HK and ITS Canada, with a goal of jointly developing an ITS showcase in South China
- Briefings on upcoming ITS projects in Hong Kong by officials from the HKSAR Government
- Meetings with companies in Hong Kong interested in fleet management systems.

Hong Kong is in the process of redefining its economy in light of the growing economic strength of the surrounding Asian region. The need for new transportation infrastructures is self-evident, from port relocation and expansion of rail and road into the Shenzhen area to cross border requirements. These all represent real business prospects for Canadian friends of the ITS HK community.



ITS Canada News

ITS News from Across Canada

ITS in British Columbia

*By Keenan Kitasaka, Translink
Director, ITS Canada*

Since our last news update in June, an entire summer has passed and much has happened on ITS in BC. With the BC ITS Strategic Plan now complete, the focus is to shift from planning to deployment. Some work is already underway in BC, including:

- Construction of a weigh-in-motion station on the TransCanada Highway, east of the Port Mann Bridge. Despite some unexpected delays in funding, this WIM project is finally in the construction phase and should be completed shortly. The WIM station is the first facility built in BC with the cooperation and funding of TEA 21, with partners in Washington State and BC. As part of this project, a southbound pre-arrival system will also be deployed to permit Customs to preview manifests in advance of truck arrival.
- A traveller information system at the border ports of entry at Highways 99 (Peace Arch) and 15 (Pacific) is in final stages of design.
- TransLink's automated passenger counter (APC) pilot project to install these devices on a number of buses has begun, involving three participants. To support this project, internal departments in TransLink (including ITS) have contracted with a consultant to record GPS coordinates for the 760 bus stops in the pilot. Looming ahead are the remaining 7,400 stops in the system that also require GPS coordinates. This pilot project should be completed in six months and will then proceed to full deployment across 15 percent of the fleet in 2003.
- TransLink's #98 B-Line service, which includes transit signal priority (TSP) and automated vehicle location (AVL), is rapidly proceeding to completion, paving the way for a "before-and-after" evaluation, which is one of the projects awarded funding through Transport Canada's ITS Deployment and Integration Plan. Of the 67 intersections in the corridor, 53 are operating with TSP with 14 awaiting software modifications. The AVL is working well and supports the prediction of arrival times for each bus at upcoming stations via electronic message signs.

- TransLink's work with the national consortium of smart card stakeholders through the Integrated Mobility Systems (IMS) project has completed Phase I. Work has begun on Phase II to investigate state-of-the-industry practices, smart card standards and preparation of six case studies. This work will provide input into TransLink's smart card business case which is already funded.

Internally, the ITS Department obtained approval from the TransLink Board for the first year of the ITS capital program, namely \$660,000 for work on:

- smart card program, including development of a business case
- electronic payment and tolling study for the province and this region to address technical issues with respect to technology, data management, and integration
- regional traveller information, including development of a concept of operations and a business case
- smart bus research to address in-vehicle architecture and data management.

The ITS Corporation is scheduled to meet in late November and will review four initiative work packages that the ITS department has prepared for consideration for deployment, including:

- data warehouse to support upcoming regional ITS applications
- regional traveller information
- commercial vehicle operations
- regional traffic management, specifically signal coordination.

These work packages, if approved, will be matched against funding sources for deployment.

With the combination of the BC ITS program and the interesting technologies on display at the recent ITS World Congress in Chicago, the ITS community in BC is excited and anxious to get moving....safer, smarter, and sooner. Stay tuned for more news from BC in the upcoming months, which promise to be busy!



ITS Canada News

ITS News from Across Canada

The City of Calgary's Carpool Partnership

By Ron Shafer, City of Calgary

The City of Calgary has made a conscious effort to pursue inventive ways to solve our transportation problems. In the spring of 2002, Calgary's City Council released a document entitled: "Looking Ahead Moving Forward, Council's Priorities 2002 – 2004". In the priority document the administration is given clear direction to:

"Implement and promote traffic demand management programs which encourage carpooling, flexible work arrangements, walking, cycling and telecommuting."

In an effort to achieve these ends, the Transportation Solutions Group has been created which includes professionals that specialize in different types of transportation solutions. One of the initiatives in the City of Calgary's Transportation Demand Management program is the development and promotion of a carpool and ridesharing program.

Carpooling benefits everyone. A successful rideshare program can produce the following:

- Reduction in traffic congestion and tailpipe emissions
- Reduction in driving costs by sharing the ride with a neighbour or co-worker
- Reduction in need for limited parking resources
- Reduction in tardiness and absenteeism
- A rideshare program can be perceived by staff as an employee benefit
- An enhanced corporate image demonstrating a commitment to reducing greenhouse gases
- Less traffic congestion means greater mobility for Calgarians, resulting in substantial private and public savings
- Taxpayer savings on public expenditures such as road repairs, new road construction, environmental damages to crops, policing and accident costs, etc.
- Increased utilization of existing HOV lanes.

Shortly after Council's Priorities were released, the City of Calgary partnered with Commuter Connections (CC) to develop, implement and promote a carpool program for the Calgary area.

Commuter Connections is a non-profit Transportation Demand Management (TDM) company whose mandate is to reduce single occupancy vehicle use through the implementation and promotion of rideshare programs. Based near Victoria, British Columbia, and established in 1992, Commuter Connections has implemented rideshare programs for large public and private sector clients both in Canada and the United States.

When a new participant registers, a set of criteria is created that is used to match with other potential carpoolers. The criteria include origin, destination and time of trip, as well as preferences for smoking or non-smoking, to match gender and participant type such as student or staff, and finally whether the participant has a preference to be a rider or driver. A summary is created for each participant which includes date registered, last updated, last matched and number of matches. For privacy reasons, when a match is made only minimal personal information is provided for first contact.

There are presently 175 companies (before the Calgary program) using the service across Canada, and the current number of participants in the database is 4,363, as shown on home page at carpool.ca. This is a dynamic number subject to change as participants register and remove their information from the database. The systems can calculate effects on pollution and SOV trips.

The objective was to establish ridesharing at 25 of Calgary's larger employer sites. These employers would receive access to the www.carpool.ca ridematching application, training, promotional materials, marketing tools and the support network necessary to establish successful rideshare programs. Commuter Connections will provide informative newsletters, progress reports, ongoing marketing and support to ensure the continued growth of Calgary's rideshare program. For more information, please contact Ron Schafer at ron.shafer@gov.calgary.ab.ca.



ITS Canada News

ITS News from Across Canada

Halifax Information Radio

Provided By Nova Scotia Department of Transportation

The Nova Scotia Department of Transportation and Public Works is using low-power FM radio as an ITS delivery scheme. Halifax Information Radio was established this summer as a public-private service broadcasting a package of weather, travel advisories and tourism reports for visitors and residents driving in the Halifax Region. The Department of Transportation and Public Works was one of the first public agencies to come aboard by providing highway signage on a 'pilot project' basis, and by delivering, directly through the station's proprietary software, regular 40-second reports of construction activity on major Nova Scotia highways. The Department's daily winter road reports are expected to be on the air in November.

The radio service is an automated system delivering programming by computer on a 10-20-minute loop from the CBC's main tower in Halifax. It provides direct access, 24 hours a day, to public agencies concerned with road safety, including the Halifax Regional Municipality Transportation Department, the RCMP, Emergency Measures Organization (EMO), the Halifax-Dartmouth Bridge Commission and Halifax Metro Transit. The transmitter is low power, but the signal reaches several kilometers from the tower covering the major highways in the Halifax Region. In times of a local, regional or national emergency, advisories from the police and the EMO will be broadcast every five minutes.

Also provided are local events/attractions, regular time checks, the current weather forecast, forest fire advisories, the US-Canada dollar exchange rate and even a beach report. The station says it is dedicated to advising drivers of hazards or opportunities that may disrupt or influence their plans. The mix of information brings listeners back daily to catch up on current events along with the road safety reports. The information will be directed primarily to the visitor population during the summer months and to local residents during the winter when driving can be, at least, disruptive and at most, hazardous. It is supported by a combination of grants from government agencies and sponsorship advertising using the educational broadcast model.

Traveller Information

Provided by the Newfoundland & Labrador Dept of Works

The Newfoundland and Labrador Department of Works, Services and Transportation has started a very ambitious internet project for traveller information.



The website (www.gov.nf.ca/wst) includes links to nine camera locations across the Island portion of the province and Labrador from which travellers can get live weather conditions from the various camera locations. Additionally, the site has a variety of information on weather and road conditions across the province. The cameras are located at Foxtrap, Goodies, Grand Falls, Port aux Basques, Burin, Flowers Cove, Pynn's Brook, Goose Bay and L'Anse Au Loup. An additional ten camera locations are linked to the site; these cameras are operated by other organizations.

The Department is also in the process of awarding a contract to Geoplan Consultants Ltd. of Fredericton, New Brunswick, for the development of Corporate Data Location Standards as the department moves forward with its GIS-T implementation plan.

Position Identification and Vehicle-Highway Automation

The latest report from Japan's Advanced Cruise-Assist Highway System Research Association, including features on position identification and vehicle-highway automation is now available. Contact ITS UK if you would like a copy at mailbox@its-focus.org.uk.

Transport Canada Funding for ITS Projects



Transport
Canada

Transports
Canada

Transit Signal Priority System Pilot Deployment

By Stanley Hung, LEA Consulting Ltd.

Transport Canada Funding: \$250,000

Total Project Cost: \$500,000 estimated

The Region of York, in partnership with Transport Canada, the Toronto Transit Commission (TTC), and LEA Consulting Ltd. in association with Lockheed Martin Canada, has been moving forward in the design and pilot deployment of a Transit Signal Priority (TSP) System for the Region since early 2002. This partnership was made possible through Transport Canada's ITS Deployment and Integration funding initiative.

The Region of York is located adjacent to the northern boundary of Toronto, Ontario, and spans an area of approximately 1,756 square kilometers. It has a population of 760,000, and is growing at a rate of 24,000 residents a year. The Region has been boldly moving forward with ITS deployments, such as a Centralized Traffic Signal Control System and the initial deployment of a corridor traffic management operation based on Traffic Responsive Control and arterial CCTV cameras at select intersections.

In January 2001, the Region amalgamated several transit agencies operating within the region into York Region Transit. One goal set forth for the transit system is to achieve a modal share in excess of 30 percent over the next twenty years during the peak periods of the day. To achieve this goal, various new projects have been initiated or devised. This TSP system pilot deployment is just one means for the Region to reach its goal.



The basic scope of work for the design and deployment of the pilot system includes:

- Preparation of a strategic outline for TSP in the Region of York
- Investigation of existing equipment and systems for compatibility issues as well as potential cost savings through limited equipment replacement costs
- Investigation and recommendation of a pilot deployment route
- Investigation and recommendation of a selective detection technology
- Detailed design of a pilot system that may be expanded incrementally without significant redesign work, with ITS Architecture and emerging ITS standards in mind
- Preparation of contract specifications for deployment
- Performance evaluation of the pilot TSP system.

Through the system, the potential benefits expected include:

- Reduced transit vehicle delay at intersections
- Increased overall travel time savings for transit along routes
- Improved transit schedule adherence
- Reduced vehicle emissions from needlessly idling transit vehicles
- Reduced operating costs.

To successfully complete the project, the consultant team is working closely with York Region Transportation and Works, York Region Transit, GO Transit, and the TTC. The three transit agencies involved all operate transit services within the regional boundaries. For more information, contact Stanley Hung at shung@LEA.ca.

Transport Canada provides support for strategic ITS deployment and integration model applications. In June 2001, proposals for cost-shared funding were solicited. Fifty-one proposals were received and, in March 2002, seventeen were approved for funding in the amount of \$3.7 million. The complete list of the approved projects is available at www.its-sti.gc.ca/en/menu_e.htm.



ITS Canada News

An Update on APEC



Newsbytes from TAC

ITS Canada continues its involvement as Transport Canada's representative in the Asia-Pacific Economic Cooperation ITS Experts Group (APEC), which includes 21 experts from countries such as Australia, China, Japan, Malaysia, Peru and the U.S, as well as Canada.

Under APEC's Transportation Working Group, there are three steering committees:

1. More competitive transportation industry (including infrastructure)
2. Safe and environment-friendly transportation systems (including technologies)
3. Human resources development (including research, training and education).

The ITS Experts Group is part of the Safe and Environment-Friendly Transportation Systems Steering Committee. The goal of the ITS Experts Group is to save lives, time, money and the environment through the realization of Intelligent Transport Systems (ITS). Objectives include:

1. To identify ITS standards requirements by ISO which are APEC priorities
2. To facilitate the establishment of ITS standards by ISO which are APEC priorities
3. To promote the universal use among all APEC economies of ITS standards established by ISO
4. To share information among APEC economies regarding ITS developments.

The ITS Experts Group has developed an action plan and a list of recommendations to move forward on these objectives. In March 2002, ITS Canada members were polled to determine their priorities regarding user services, and the responses were collated and a priority ranking approved by Transport Canada for submission to APEC. Canada's priorities were consolidated with the priorities of other APEC economies, and will be submitted to ISO as APEC's priorities. The top five Canadian priorities were traffic control, incident management, pre-trip information, on-trip driver information and commercial vehicle pre-clearance.

ITS Canada's representative at APEC is Colin Rayman, Vice Chairman.

The Transportation Association of Canada (TAC) recently held a very successful annual conference and exhibition in Winnipeg. The September 15-18 event, which met or exceeded all targets and expectations, included a session on intelligent transportation systems. Entitled "ITS – Smart Concepts and a New Reality", the session focused on issues related to the increasing recognition of the potential of ITS in improving the performance of transportation facilities. A good turnout of delegates heard from Sheri Plewes of Vancouver's TransLink, Brian Taylor of IRD in Saskatoon and David Kaufman from the City of Toronto. The session was organized and chaired by ITS Canada Chairman, Joseph Lam.

During the 2002 conference, TAC director Joe Lam was re-elected as a Vice President of the association and a member of its Executive Committee. As well, ITS Canada representation in TAC was recently strengthened with the appointment of Colin Rayman to the organization's Chief Engineers Council. The council had sought representation from ITS Canada in order to broaden its perspective on emerging technologies. The same rationale applied to the appointment of another ITS director to a TAC group, Milton Harmelink, who has joined the Traffic Operations and Management Standing Committee.

In other news from TAC, the organization has just launched a fully redesigned and easier to use web site that ITS Canada members are invited to browse at www.tac-atc.ca.

News from Transport Canada

Transport Canada's ITS Office would like to announce that Mr. Lorcan Scanlon has joined the team. Lorcan's most recent experience is in the field of communications and his previous work has included the management of medical research and development programs for the Department of National Defense. Lorcan will be responsible for the ITS Office's initiative to develop a five year ITS Research and Development Plan, and will also work with other team members on ITS issues related to Canada's Innovation Strategy. Lorcan can be reached at (613) 990-8375 or at scanlol@tc.gc.ca.



ITS Canada News

News in Brief

From the United States...

On September 19, the US House Transportation and Infrastructure Committee, Subcommittee on Highways and Transit, held a hearing on the reauthorization of TEA-21. Fourteen witnesses, representing a cross-section of transportation interests, testified as to their priorities for the reauthorization of TEA-21. Most of the discussion focused on optimal funding levels for highway and transit spending over the next six years and options for increasing available federal funding.

Notably, the American Association of State Highway and Transportation Officials (AASHTO) called for a significant investment in ITS during the next authorization bill. AASHTO proposed increasing the ITS deployment program from \$600 million to \$850 million, and the ITS research program from \$600 million to \$750 million over six years. Additionally, AASHTO is proposing that \$500 million be invested per year (\$3 billion over six years) for operational investments to improve transportation security, hazardous materials and safety-related incident response and traffic management. Eligible purposes would include traffic surveillance, traffic management and traveller information.



In early October, the US House Appropriations Committee approved a \$60 billion fiscal year 2003 Transportation Appropriations spending measure. The legislation provides \$27.7 billion in highway funding. The House measure provides \$110,000,000 for ITS research, equal to the level of funding in the Senate appropriations bill. The bill also provides \$120 million for ITS deployment, earmarked for specific projects.

For further details on the above, ask for a copy of the September or October ITS Legislative Report via e-mail to ITS Canada at itscanada@itscanada.ca.

From ITS America...

Opening the U.S.–Canada Border

Five New England governors recently met with five premiers of Canada's eastern provinces to discuss a fully-open U.S.-Canada border. The meeting came one month after the announcement of the \$600 million joint project to improve infrastructure along the border and reduce congestion. Despite security concerns, leaders are optimistic that systems can be put into place to reduce border congestion.



WCBS-TV Plans ITS Segment

ITS America staff have begun working with WCBS-TV producers in New York who will cover ITS technologies as a solution to transportation challenges during a planned series on congestion that is scheduled to air in New York during the November sweep period.

Producers plan to report on technology solutions to traffic congestion problems, the development of telematics and infostructure systems, rural and urban challenges and applications, and the use of technology to improve safety and homeland security.

Consensus on Transit Signal Priority

ITS America issued a report that provides consensus on the co-management of transit and traffic signal systems. *An Overview of Transit Signal Priority* was co-authored by public transportation operators and traffic engineers after years of discussion and debate. The report is available at www.itsa.org.

Websites Worth Visiting

- www.start4its.com is the ERTICO portal to a wide range of ITS-related sites.
- A number of interesting papers from Australia's 2001 "National Speeds and Road Safety" conference can be downloaded from www.transport.sa.gov.au/nsrsc/pdfs.shtml#top.



ITS Canada News

Members in the News

Queue Detection System in Chicago

The Grand Avenue exit from I-94 feeds the Great America Theme Park and the Gurnee Mills Mall. At certain times queues form and cause traffic to back up in the three-lane expressway. The Traffic Operations Department of the Illinois State Highway Tollway Authority realized that something had to be done, and deployed the RTMS radar-based vehicle detector to measure speed and occupancy information, which is transmitted to a NEWS (Node Event Warning System) controller every 30 seconds. When the speed and/or volume exceeds pre-determined thresholds, the NEWS controller outputs a status change signal, which flashes a message sign located approximately 1.5 miles upstream to warn motorists. The message sign flashes lights indicating stopped traffic ahead, allowing motorists to prepare for the pending traffic conditions.

EIS Electronic Integrated Systems, Inc. is the manufacturer of RTMS radar-based vehicle detector and the NEWS (Node Event Warning System). For more information, visit EIS's website at www.rtms-by-eis-com.



Wildlife Warning System

A unique initiative to make highways safer and to reduce the staggering costs of deer-vehicle collisions has been launched in Saskatchewan. **International Road Dynamics Inc. (IRD)**, Saskatchewan Highways and Transportation (SHT), and Saskatchewan Government Insurance (SGI) are jointly involved in a pilot project to evaluate the effectiveness of IRD's Wildlife Warning System (WWS) near Harris, Saskatchewan. The Harris site was selected based on its past accident history and the opportunity to reduce deer-vehicle collisions.

When activated, the Wildlife Warning System alerts deer to approaching vehicles in time for them to leave the roadway before the vehicle arrives. For more information on the Wildlife Warning System, visit IRD's website at www.irdinc.com.

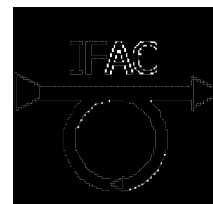
Upcoming Events

The Centre for Transportation Engineering and Planning (C-TEP), in conjunction with ITS Canada, is presenting a **Commercial Vehicles Operations Seminar**, to be held Wednesday, November 20, 2002, from 9:00 to 5:00 p.m., at the Radisson Hotel Calgary Airport, Skyline Room, Calgary, Alberta.

Topics include:

- What is ITS Architecture? A Canadian Focus on CVO
- Alberta Transportation ITS
- Truck Productivity: Road Impact, Safety & Revenues
- The Role of GIS in Commercial Trucking: Case Study on Distribution Systems
- Contracting for Safety
- Weigh in Motion
- Advances in Geomatics as they affect Commercial Transportation
- GPS Update - Impact of GPS on Safety and Productivity
- Driving Simulation and In-Vehicle Telematics
- What affect has ITS had on the Bottom Line in Trucking?

For further information and to register, contact Karen Knoll-Williams at kknollwi@ucalgary.ca.



The International Federation of Automatic Control (IFAC) will hold **CTS 2003: 10th IFAC Symposium on Control in Transport Systems** in Tokyo, Japan, on August 4 to 6, 2003, with technical tours on August 7. A call for papers has been issued. Submissions are requested no later than January 31, 2003. For more information, visit www.is.aist.go.jp/ifac-cts2003/.



ITS Canada News

Upcoming Events

- Dublin City Council, in association with the Department of Local Government and the Environment, the Department of Public Enterprise, the National Roads Authority, and Trinity College Dublin, is organizing an **ITS Conference** to be held November 5 and 6, 2002, in Dublin, Ireland. Joseph Lam, Chairman of ITS Canada, will provide a keynote address. Exhibition opportunities are available for our members who are interested in the emerging ITS market in Ireland. For further details, contact itscanada@itscanada.ca.
- WESTAC's fourth annual conference on **Innovations for Transportation** will be held on November 19 and 20, 2002, at the Fairmont Hotel at the Vancouver International Airport. For more information, visit WESTAC's website at www.westac.com.



- **4th Annual Workshop on Highway-Railway Grade Crossing Research** will be held November 25 to 26, 2002, at the Marriott Chateau Champlain in downtown Montreal. The Workshop has been scheduled to precede meetings of the research program's Steering Committee on Tuesday afternoon, November 26, and of the D2006 Executive Committee on Wednesday, November 27. Both of these meetings will be held in the conference rooms of the Transportation Development Centre in Montreal. For more information, see:
 - www.tc.gc.ca/tdc/events/menu.htm.
- **Intertraffic Latin America** will be held April 2 to 4, 2003, in Mexico City, Mexico. For more information, see www.intertraffic.com.
- **Smart Moving / Traffex 2003** will be held April 7 to 10, 2003, at the National Exhibition Centre near Birmingham, England. ITS Canada is partnering with ITS UK to assist in organizing this international conference, with an exhibition that will coincide with Traffex 2003. A special Canadian "national session" is being organized which will allow Canadian ITS officials and private sector companies to present projects and technologies. The overall theme of the event is "Applying new technologies for urban and regional travel and transport around the world". With its international perspective, the event will consider Smart Roads, Smart Vehicles, Smart Travellers, Smart Ticketing and Payment, and Smart Freight. For event details, contact ITS Canada or congress2003@its-focus.org.uk.
- **Intertraffic Eurasia 2003 Turkey**, a regional trade fair for parking, traffic and transport infrastructure, will be held in Istanbul, Turkey, from May 14 to 16, 2003. For more information, see www.intertraffic.com.
- **ITS America's 13th Annual Meeting and Exposition** will be held at the Minneapolis Convention Centre, May 19 to 22, 2003. See www.itsa.org for information.
- **Intertraffic Latin America** will be held September 4 to 6, 2003, in Sao Paulo, Brazil. For more information, see www.intertraffic.com.
- **Intertraffic Netherlands** will be held March 30 to April 2, 2004, in Amsterdam. For more information, see www.intertraffic.com.



The date is set ... mark your calendar now!

**ITS Canada's next Annual Conference and General Meeting
will be held April 28 and 29, 2003, at the Sheraton Hotel
in Fredericton, New Brunswick**