

Inside This Issue:

- Mission Raytheon..... Page 1
- Seminar in Ottawa.....Page 2
- DND S&T Strategy.....Pages 3-4
- What's new about TDS members.....Page 4
- Conf. and Tradeshows..... Page 5
- Technopôle's members Page 6
- Contact information Page 6

TDS Calendar:

February 9th:

Visit of The International Institute of Telecommunications (IIT). (For principal members and members of the Executive committee only)

February 20th:

"Current DND and US Army requirements", AFCEA Breakfast and TDS Seminar at Rideau Club, Ottawa.

February 20th-21st:

« Mobilisons-nous, tout le monde y gagne », 7th Edition of the Emergency Preparedness Symposium organized by Quebec Public Safety Department, St-Hyacinthe, Quebec.

February 23rd:

Board of directors' meeting.

On March 13th-14th, 2007: TDS' members are invited to meet

Raytheon

Technopôle Defence and Security, in collaboration with the "Ministère du développement économique, de l'innovation et de l'exportation (MDEIE)" from Québec, is organizing a commercial mission in Boston on March 13th-14th aiming at introducing innovative companies to Raytheon, one of the major players in defence & security.

The main purpose of this mission is to present to Raytheon local businesses with which the American entrepreneur can develop business opportunities in order to fulfill the Canadian Industrial and Regional Benefits' policy requirements. The initiative is based on the specific needs of Raytheon, as well as the technologies and the services they're looked for.

TDS will contact the companies whose technologies, products, services or R&D capabilities are susceptible to interest Raytheon according to the pre-identified specifications. An official invitation will be sent to TDS' members by email in the next couple of days.

What are DND and US Army current requirements?

TDS launches a new seminar series to coincide with the Armed Forces Communications Electronics Association (AFCEA) Executive Breakfast series and to be held in Ottawa. The first edition of this event, not to be missed, will be held on **February 20th, 2007 at 7.30 am, at the Rideau Club in Ottawa.**

As the guest speaker of the AFCEA Breakfast, **MGen Mike Ward**, DND Chief of Force Development, will present an "Update on DND strategic planning and future requirements in C4ISR development". The breakfast will be followed by a TDS's seminar themed "Mission and Vision of the US Army International Technology Center for Canada", to be given by **LTC Fernando Torrent**, Commander of the US Army International Technology Center-Americas (Canada) whose objective is to support the identification, acquisition, integration and delivery of foreign technology solutions to the warfighter to ensure technological superiority on the battlefield.

To get more information on the schedule, the fees and to register, please contact Sonia Lebel at sonia.lebel@technopoleds.org

A new S&T strategy for DND

The Department of National Defence (DND) announced on 14 December the official release of its Defence S&T Strategy, Canada's first-ever pan-departmental guidance document for defence Science and Technology (S&T).

The Defence S&T Strategy was developed over the past year by a dedicated project team within DRDC, on behalf of the department. The Strategy provides guidance for the appropriate positioning of the departmental S&T investment so that it informs, enables and responds to the Canadian Forces' Transformation and, more broadly, to Canada's defence and security priorities.

The Defence S&T Strategy also introduces the concept of the Defence S&T Enterprise, a matrix organization that connects those within the Canadian Forces and DND that direct, deliver and exploit the outputs from the departmental S&T investment. The Defence S&T Enterprise will provide a window on the global S&T community and will maintain linkages with external stakeholders, including other government departments and central agencies, the defence and security S&T community of Canada's allies, and Canadian academia and industry.

All Defence S&T partners will be called upon to play a role in the implementation of this strategy which should drive the departmental investment in science and technology for the next five years.



To consult the complete strategy, please visit http://www.drdc-rddc.gc.ca/ststrategy/intro_e.asp.

Industrial Innovation Scholarships in the field of photonics

The Canadian Institute for Photonic Innovations (CIPI), the Fonds québécois de la recherche sur la nature et les technologies (FQRNT), and the Natural Sciences and Engineering Research Council of Canada (NSERC) have joined forces to award Industrial Innovation Scholarships in the dynamic field of photonics.

The agreement signed at the beginning of January will make it possible to establish and strengthen collaborative relationships and mechanisms for transferring skills and sharing knowledge between academia and industry in this highly competitive field. The total amount invested reaches \$ 500 000 over five years, with each partner assuming one third of the funding.

This model of university-industry partnership aims at doubling the number of students who receive support. This will have positive impacts on the transfer of knowledge and the ability to innovate in industries that are important for the economy.

For further details:

http://www.crsng.gc.ca/sf_e.asp?nav=sfnv&lbi=2c_IIS

AUSA and Sea-Air-Space tradeshow: Canadian companies wanted

For the first time, the Canadian government will attend two of the most important tradeshow in Defence in United States: AUSA 2007 Winter Symposium and Exhibition on March 7th-9th, 2007 and Sea-Air-Space Exhibition 2007, on April 3rd-5th, 2007. TDS will attend AUSA 2007 and hope that its members will join the team.

Canadian companies and TDS' members who wish to take part to one of these events, as an exhibitor or as a visitor, will benefit from many services from the Canadian government: access to its booth, handing out of brochures, networking cocktail, invitation to conferences given by American companies, Trade commissioner, etc. Furthermore, for each of these tradeshow, the Canadian government booked a meeting room available to Canadian companies who want to discuss business in private.

For further information, about the services available to TDS' members at AUSA or Sea-Air-Space, please contact Isabelle Gaudet at isabelle.gaudet@technopoleds.org.

What's new with TDS' members?

SNC Tec joins the General Dynamics' family and becomes GDOTS

General Dynamics completed in January its acquisition of SNC Technologies Inc., a wholly owned subsidiary of SNC-Lavalin Group Inc. for approximately CAN\$315 million.

GENERAL DYNAMICS
Ordnance and Tactical Systems–Canada

Plans for the acquisition were announced on February 23rd, 2006. SNC Technologies Inc. is an ammunition system integrator that supplies small-, medium- and large-calibre ammunition and related products to the Canadian Forces, other national defence customers and law enforcement agencies around the world.

The acquisition, which was approved by the governments of Canada and the United States, will be immediately accretive to General Dynamics. Charles M. Hall, General Dynamics executive vice president for Combat Systems, said, "By adding SNC Tec's strengths to those of General Dynamics Ordnance and Tactical Systems, we will improve its competitive position and increase its reach beyond the Canadian market. Through this acquisition, we are building a stronger foundation for growth and a greater capacity to capture new opportunities globally." In seeking Canadian government approval of the acquisition, General Dynamics entered an agreement with the Minister of Public Works and Government Services Canada that establishes the company's commitment to helping to ensure Canada's ability to develop and manufacture ammunition within its own borders; to continue assigning the highest priority to meeting the Canadian Forces' ammunition and explosives requirements, now and in the future; and to strengthening the organization's research and development capability in Canada.

The agreement also provides for the maintenance of SNC Tec's facilities within their current provincial borders; utilization of Canadian skills, services, materials and knowledge to the maximum extent possible; and the establishment of an ongoing consultative mechanism with the Government of Canada to ensure that the SNC TEC organization continues to meet Canada's ammunition requirements and objectives over time. Hall said, "We reached an agreement with the Government of Canada that will maintain and potentially expand the facilities, skill sets and work force necessary to develop and manufacture ammunition within Canada's national boundaries, while enabling General Dynamics to earn a fair return on its investment."

TeraXion

TeraXion completes qualification of its Frequency Stabilized Laser

TeraXion Inc. announced in January that it successfully completed the qualification of its high performance Frequency Stabilized Laser. This qualification follows the design and the development of a high performance laser metrology source for a space borne spectrometer.

This project, in partnership with ABB Analytical Business Unit, also a TDS' member, was accomplished within the Canadian Space Agency (CSA) Space Technology Development Program (STDP). "TeraXion was able to bring this high end technology platform to a state-of-the-art reliability level" said Ghislain Lafrance, Vice President Defense and Aerospace at TeraXion.



This laser module will be used within ABB Analytical earth observation spectrometer to provide an unsurpassed frequency calibration source. Its novelty comes from the fact that it uses an innovative absolute frequency calibration procedure applied to high coherence and narrow line width semiconductor lasers. The technology enhances the precision and the absolute accuracy of the laser frequency. Such performance is critical in next generation space metrology applications, such as FTIR Spectrometers and calibration of space borne instrumentation.

What's new with TDS' members?

Last phase of development for DND airborne radar to be delivered by MDA Corporation



MacDonald, Dettwiler and Associates (MDA) recently announced that it has been authorized to commence the third phase of a three-phase development and production contract with Canada's Department of National Defence (DND) to deliver a new airborne radar surveillance solution for Canada's fleet of CP140 Aurora patrol aircraft.

MDA is the prime contractor for the program which was announced in January 2003 at a total value of approximately CAD \$200 million. The first phase saw the completion of the high level design and the selection of a radar hardware supplier. The second phase saw the completion of detailed design and the initial development and laboratory tests of four prototype systems.

Phase three, valued at approximately CAD \$78 million, will complete the ground and flight testing of the four prototype systems. Also included in this phase is the upgrade of the prototypes to production standards, and the manufacturing, testing and delivery of 16 production systems for installation on the CP140 Aurora during the Aurora Incremental Modernization Project mission computer and sensors aircraft modifications efforts. The prototype aircraft modifications are scheduled to commence in April 2007.

The CP140 Aurora patrol aircraft were acquired by Canada in 1980 and are used primarily for maritime surveillance. When the current Aurora upgrade program is completed, the radar surveillance solution on the Aurora will be able to detect, track, and image objects moving on land or sea.

Promising developments for Lyrtech



The Lyrtech SFF SDR Development Platform made the Wireless Net DesignLine's list of top 12 wireless products of 2006.

The Small Form Factor (SFF) Software-defined Radio (SDR) Development Platform is a unique new product that addresses the special portable SDR needs of military, public safety, and commercial markets. It was designed around the latest DSP and FPGA technology – Lyrtech's area of expertise – as a low-cost, off-the-shelf, integrated hardware and software development solution.

The SFF SDR Development Platform made the list of one of the two emerging technological products in Wireless Net DesignLine's top 12 products of the year covering six different wireless categories. Visit Wireless Net DesignLine's Web site to read more: <http://www.wirelessnetdesignline.com/products/showArticle.jhtml?articleID=196800768>.

Furthermore, on January 24, 2007, Lyrtech announced the appointment of Mr. Jules Pleau to the Lyrtech Board of Directors. Mr. Pleau graduated from McGill University with an MBA in international business and has an impressive professional background. He currently acts as an advisor for many companies, including Bombardier Transport, Veolia Énergie and Orbital Science. In the past, Mr. Pleau occupied several vice president positions at Bombardier including, notably, vice president of the international development team of Bombardier Transport. Mr. Pleau's experience has enabled him to develop an impressive network of industrial and political contacts in Europe, Canada, the United States, and Australia.

"We are pleased with Mr. Pleau's nomination. He brings significant experience in the international business world to the board, which will certainly prove very useful to Lyrtech," stated Migüel Caron, President and Chief Executive Officer of Lyrtech.

CONFERENCES AND TRADESHOWS

Here is a list of interesting events in defence and security:

February 2007:

23RD CDAI SEMINAR AND THE 70TH CONFERENCE OF DEFENCE ASSOCIATIONS ANNUAL GENERAL MEETING, to be held on February 15th-16th, 2007 at the Fairmont Château Laurier in Ottawa. http://www.cdai.ca/AGM_Agenda.htm

ARMY OUTLOOK 2007, to be held on February 19th, 2007 at the Ottawa Congress Centre - Congress Hall A, in Ottawa. <https://www.defenceandsecurity.ca/public/index.asp?action=events>.

2ND ANNUAL MILITARY ENERGY ALTERNATIVES "Achieving Fuel Efficiency by Utilizing Alternative Energy Sources", held on February 19th-21st, 2007 at the Hilton Arlington in Arlington, Virginia, USA. <http://www.marcusevans.com/events/CFEventinfo.asp?EventID=11617>

"WHAT ARE DND AND US ARMY CURRENT REQUIREMENTS?", Armed Forces Communications Electronics Association (AFCEA) Executive Breakfast and Technopole Defence and Security Seminar (TDS' members exclusivity), to be held on February 20th, 2007, at 7.30 am, at the Rideau Club in Ottawa. More information and registration: sonia.lebel@technopoleds.org

7th Edition of the Emergency preparedness Symposium « Mobilisons-nous, tout le monde y gagne », organized by Quebec Public Safety Department, to be held on February 20th-21st, 2007 at St-Hyacinthe, Québec. <http://www.msp.gouv.qc.ca/secivile/secivile.asp?txtSection=colloques&txtCategorie=2007>

TECHNICAL SUPPORT WORKING GROUP ADVANCED PLANNING BRIEFING FOR INDUSTRY (TSWG APBI), to be held on February 22nd at the Ronald Reagan Building and International Trade Center in Washington, DC. <http://www.ndia.org/Template.cfm?Section=7090&Template=/ContentManagement/ContentDisplay.cfm&ContentID=15188>

3RD ANNUAL UNMANNED MARITIME VEHICLES "Increasing Operational Scope through Increased Persistence and Modularity", to be held on February 26th-28th, 2007 in Washington, DC, USA. <http://www.marcusevans.com/events/CFEventinfo.asp?EventID=11775>

Coming soon:

CADSI ANNUAL WINTER WARM-UP RECEPTION, to be held on March 1st, 2007, at the Ottawa Congress Center - Colonel By Room, Ottawa. <http://www.cdia.ca/public/index.asp?action=events.Details&evtID=%7B1FA8E6A3-A4C2-443E-B1A7-A4DC9E349EE3%7D>

AUSA WINTER SYMPOSIUM & EXHIBITION 2007 "AT WAR & TRANSFORMING", to be held on March 7-9, 2007, at the Broward County Convention Center, Fort Lauderdale, FL. <http://www.ausa.org/webpub/DeptIndustry.nsf/byid/JRAY-6VCJJZ>

SPIE DEFENSE & SECURITY SYMPOSIUM 2007, to be held on April 10-12, 2007, at Orlando, Florida. <http://www.spie.org/conferences/calls/07/dss/>

CANSEC 2007, to be held on April 11-12, 2007, at Ottawa Congress Center, Ottawa. <https://www.defenceandsecurity.ca/cansec2007/index.htm>

TECHNOPÔLE'S CURRENT MEMBERS

- ABB Analytical Solutions
- Analytics Systems
- Black Coral Inc.
- Cargolution
- Comlab Inc.
- Creaform 3D
- DMR Conseil (Fujitsu) Inc.
- Defence R&D Canada
- General Dynamics Canada
- Gentec Inc.
- Groupe CGI
- GTDS
- Laval University
- Lyrtech inc.
- MacDonald, Dettwiler & Assoc. (MDA)
- National Optic Institute (INO)
- Obzerv Technologies Inc.
- Oerlikon Contraves Canada
- OptoSecurity
- Pôle Québec Chaudière-Appalaches
- Quebec Photonic Network
- RoboMotio
- Seaquest Technologies
- SNC Technologies inc.
- Telops
- TeraXion
- Thales Systems Canada
- Urgence Consult
- Valcom Consulting
- Valcom Manufacturing
- Xeos Imagerie Inc.

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