

Contrails

MANITOBA AEROSPACE

A PUBLICATION OF THE
MANITOBA AEROSPACE ASSOCIATION
MARKETING COMMITTEE

APRIL 2015

NEWS • EVENTS • INFORMATION



MESSAGE FROM THE EXECUTIVE DIRECTOR - KEN WEBB



Spring has sprung, and the days are getting longer, but the white stuff came back to give us one last reminder of why Manitoba is home to two of the world's newest engine test sites. Hopefully by the time you read this it will all be gone and the Jets will have secured a spot in the playoffs.

First off, let's start with recognizing some more of our local aerospace excellence. Following on from the Gala Awards Dinner last fall, which recognized Mitch Arbez, Ian Walkty, Kim Olson, Fast Air Executive Services and B/E Aerospace; Magellan Aerospace, Winnipeg and Boeing Canada were both selected as Top 25 Manitoba employers for 2015.

In January, Corner celebrated the opening of their new plant in Querétaro, Mexico, while in March Cadorath received the coveted M250 First Network Award from Rolls-Royce and Magellan and the University of Manitoba opened the new Advanced Satellite Integration Facility.

My apologies to anyone I may have missed. You can find all these stories and more on the News and Events page of the Manitoba Aerospace website: <http://mbaerospace.ca/news-events/>

As well as celebrating excellence in the aerospace industry, the All Star Awards Gala dinner generated more than \$18,000 for our Student Awards program. Combined with the annual golf tournament in September the aerospace community raised \$29,000 last year, bringing the total funds raised to date to \$137,000.

The success of these events has allowed us to reach our first goal of creating endowed funds that will perpetually support our six \$500 annual awards at TecVoc, Red River College, University of Manitoba, and Neeginan College of Applied Technology. Now we can look to our second goal of expanding the value and number of the awards.

A year ago we published the results of the Technology Road Map (TRM) study, identifying the key technologies that we need to develop to keep us competitive over the next 20 years. Since then we are working on putting the TRM into action.

Recognizing the need to move from a project basis to supporting research and innovation as an on-going strategic activity, the MAA Board has created the Manitoba Aerospace Research and Technology Committee

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MESSAGE FROM THE EXECUTIVE DIRECTOR - KEN WEBB (CON'T FROM PAGE 1)

(MARTC). This industry led standing committee will guide the technology development activities needed to advance the aerospace industry in Manitoba.

Chaired by Melanie Mulder, Director of Engineering Technology Support at StandardAero, the group includes industry, U of M, RRC, CIC, West-CaRD, EnviroTREC, and the ITC.

One of MARTC's first activities was to support the Consortium for Aerospace Research and Innovation Canada (CARIC) Regional Innovation workshop held in Winnipeg in February.

Soliciting collaborative research projects for funding through the new national aerospace research network, more than 30 proposals were presented at the one-day workshop. Six projects were proposed by Manitoba, including a number arising out of the TRM. Each project looks for a minimum of two industry and two academic partners from across Canada. For more information check out <https://aero-collaboration.org/>

Over the last six months, the ITC has led an industry group to prioritize the 25 key technologies that were identified in the TRM.

Looking for the most needed technologies that could make the biggest impact; the group identified the top three priorities as high speed 3D scanning, non-destructive evaluation and additive manufacturing. The first two are included in CARIC proposals and the new Advanced Digital Manufacturing Hub recently announced by Western Diversification and the Orthopedic Innovation Centre will help support the additive manufacturing research and development needs of the region.

Collaboration is a great way to combine smarts, share risks and costs, and to achieve things that we could not do as well or as fast, or maybe even

at all, by ourselves. But it doesn't always come naturally. So a series of workshops were offered in February and March to showcase the how-to's and benefits of collaboration, including a number of case studies.

March also saw our first members' networking breakfast meeting of the year. Feature speaker and former NASA test pilot Einar Enevoldson captivated his audience with the technical and practical implications of flying a glider to 90,000 feet, higher than any other manned aircraft has ever flown.

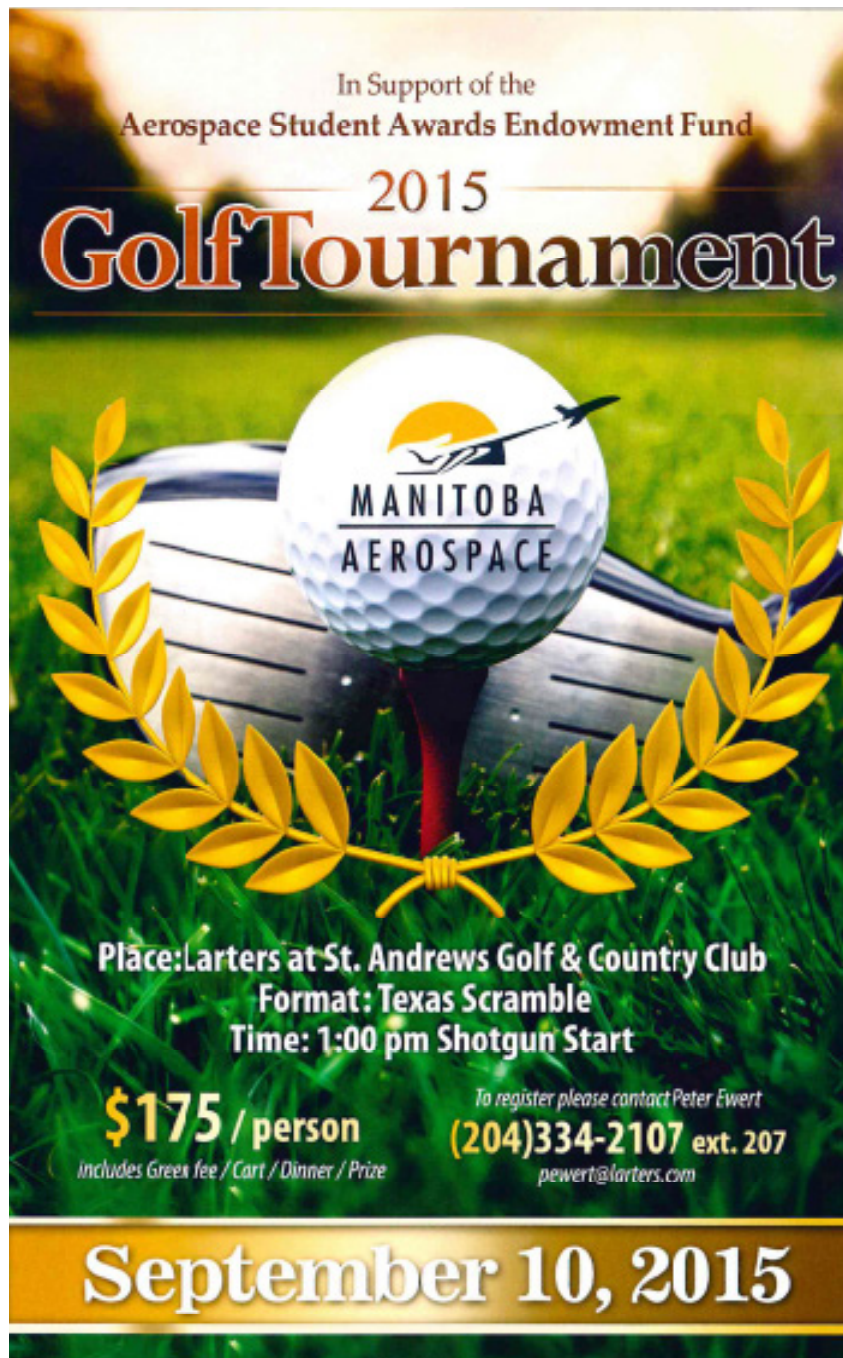
Other events in the first quarter included a workshop with Industry Canada on the Value Proposition component in the new Defence Procurement Strategy; a visit from SAFRAN looking for specific technologies and potential partners; and familiarization visits from the new Director of Aerospace Practice (James Gilmour) and Global Aerospace Practice Lead (Rod Jones) at DFATD and the new Associate Deputy Minister of Aerospace, Defence and Marine at Industry Canada (Kelly Gillis).

And finally, I would like to thank Dan McGregor, Finance Senior Manager from Boeing Canada Operations for serving as the MAA Treasurer for the last two years. His help in keeping us informed and on track at all times was very much appreciated. Thanks Dan!

Enjoy the spring and coming summer everyone. Look for Manitoba Aerospace Week with our annual Free Press supplement May 25-29 and our next networking breakfast meeting on May 27th. Hope to see you there.

Questions or comments? Contact me at 204-799-7660 or at kenwebb.maa@mymts.net.

MANITOBA AEROSPACE ASSOCIATION 5TH ANNUAL GOLF TOURNAMENT



In Support of the
Aerospace Student Awards Endowment Fund

2015

Golf Tournament

MANITOBA
AEROSPACE

Place: Larters at St. Andrews Golf & Country Club
Format: Texas Scramble
Time: 1:00 pm Shotgun Start

\$175 / person
includes Green fee / Cart / Dinner / Prize

To register please contact Peter Ewert
(204)334-2107 ext. 207
pewert@larters.com

September 10, 2015

Mark your calendars for Thursday, September 10th to participate in the 5th annual MAA Golf Tournament. This year's tournament will take place at Larter's Golf and Country Club, located on the picturesque banks of the Red River. Lunch will be served at noon prior to the shotgun start at 1:00 (dinner to follow).

All proceeds go towards the Manitoba Aerospace Student Endowment Funds. Each year MAA and MAHRC award bursaries to students from five secondary and post-secondary schools who exemplify qualities that are endorsed by the aerospace community. Those qualities consist of integrity, reliability, team work, innovation and work ethic.

For more information and to register, please contact Peter Ewert at 204-334-2107 ext. 207 or via email at pewert@larters.com.

MAA WELCOMES NEW BOEING EXECUTIVE



Kim Westenskow, general manager, Boeing Canada Operations

The MAA would like to extend our warmest welcome to Kim Westenskow, the new general manager of Boeing Canada Operations in Winnipeg, Manitoba.

Westenskow is responsible for leading Canada's largest aerospace composite manufacturer - the country's third largest aerospace facility.

From May 2012 to her current appointment in January 2015, Westenskow served as director of SQ Airplane Program Support and Operations.

Westenskow started her career with The Boeing Company in 1989, working as an Industrial Engineer Methods Analyst. She also led teams in Operations, Quality, and Engineering.

A graduate of Montana State University, Westenskow holds a Bachelor of Science. She is also a graduate of W.P. Carey Arizona State University, receiving a Masters of Business Administration.

Westenskow is married and has one daughter studying at Washington State University and another daughter in high school.

BOEING WINS CME COMMUNITY CONTRIBUTION AWARD

On March 26, 2015 at the annual Canadian Manufacturers and Exporters (CME) of Manitoba Gala Dinner, Boeing Canada was awarded their Community Contribution Award.

Boeing Canada Operations Ltd is a leader in the community in which they work and live. Boeing began operations in Canada in 1969 and in 1971 opened the Murray Park plant in Winnipeg. By 1976 Boeing employed 400 people in Winnipeg. During the 1980s, the Winnipeg site expanded, adding engine strut fairings and military target programs to its workload.

Boeing expanded again in the 1990s, adding another 520,000 square feet at the Winnipeg site. Today, with its recently completed expansion, Boeing now occupies approximately 800,000

square feet of real-estate in Winnipeg.

"Building a better world," is stated in Boeing's Community Mission Statement. Everyone deserves a helping hand and Boeing has had a big hand in helping the Winnipeg community for many years. Boeing invested more than \$173 million and thousands of volunteer man hours just in 2013 alone.

"Boeing employees are generous; they use their time, talent and resources to help in maintaining the success and health of communities around the world. Boeing Winnipeg is deeply involved in our community. Each year we support over 30 charitable organizations and non-profit groups in Manitoba." – Boeing Canada

PARTNERS IN SPACE -- NEW 'FIRST OF ITS KIND' FACILITY IN WESTERN CANADA OPENS

Magellan Aerospace (Magellan) and the University of Manitoba unveiled their new Advanced Satellite Integration Facility (or ASIF) at Magellan's facility in Winnipeg, Manitoba. The facility will support research, development, construction and testing of satellite systems and components.



Dr. Digvir Jayas, Don Boitson, and The Honourable Shelly Glover unveiling the new sign for the Advanced Satellite Integration Facility (ASIF)

The facility was constructed in an existing 6,000-square-foot area, large enough to accommodate up to three satellites at various stages of assembly with sufficient ceiling height for high crane lifting requirements. The ASIF is an ISO Class 8 cleanroom facility that will satisfy the requirements of current and future satellite programs initiated by the Government of Canada.

The facility expansion was funded by an investment of \$2.4 million from Western Economic Diversification Canada.

Magellan invested \$1.5 million which includes \$625,000 for the establishment of an Industrial Research Chair in the area of satellite development within the Faculty of Engineering at the University of Manitoba, and contributed to the construction of the facility, multi-year research and development (R&D) and educational funding.

The Honourable Shelly Glover, Minister of Canadian Heritage and Official Languages and Member of Parliament for Saint Boniface, was present to unveil the new facility. "Our Govern-

ment recognizes the importance of collaborative research, commercialization and skills development to the overall competitiveness of our economy. The Advanced Satellite Integration Facility will bring together industry expertise, academic skills development and leading-edge technology to significantly enhance the future growth opportunities and economic spinoff potential for Manitoba's thriving aerospace industry," said Minister Glover.

"The University of Manitoba is excited to be working in partnership with Magellan Aerospace and taking the lead on increasing the space technology sector in Western Canada," said Dr. Digvir Jayas, vice-president (research and international) and Distinguished Professor at the University of Manitoba.

Mr. Don Boitson, Vice President and General Manager, Magellan Aerospace, Winnipeg, said "Magellan's focus in the ASIF partnership goes well beyond the bricks and mortar of this world-class facility. Magellan's investment in facilities, equipment, university research, and education support over the next five years reflects our commitment to both community and youth education." He added, "This partnership fosters a very meaningful relationship between academia and industry."



From left to right: The Honourable Shelly Glover, Minister of Canadian Heritage and Official Languages; Don Boitson, Vice President and General Manager, Magellan Aerospace; Dr. Digvir Jayas, Vice President and Distinguished Professor at the University of Manitoba; Dr. Jonathan Beddoes, Dean, Faculty of Engineering



CESDservicesinc.

COMPETITIVE EDGE STRATEGIC DEVELOPMENT SERVICES

TRAINING CALENDAR

COACHING – FOR LEADERSHIP SUCCESS

March 24, 2015; 8:00 AM – 4:30 PM; 1000 Waverley Street, Winnipeg

Anyone who is in a position where they have responsibility for others and others report to them is in a leadership position. To be an effective *leader* you require *leadership competence*. Leadership take many forms. Two of the most critical functions of leadership are employee performance assessment and coaching. When professionally done, performance assessment and coaching are very closely linked. These two functions are not annual events; they are active and occur frequently.

The objective of this session is to examine how successful leaders use performance assessment and coaching to their advantage.

Topics:

- * Leadership and Management: The difference and the link
- * Perception: The process of how leaders make observations, form a perception, and make conclusions about the world around them, and the people they lead
- * Perception Errors
- * Employee Performance Gaps: Who owns the situation and what can be done
- * Unwilling Employees
- * Planning and Providing a Performance Coaching Meeting with employees

Registration: \$330 per person. (Includes lunch). Contact Heidi Abraham, Executive Assistant at habraham@cesdservices.ca or call (204) 272-2957

WE'VE WORKED WITH A DIVERSE CUSTOMER BASE. HOW CAN WE HELP YOU?

We provide training and knowledge transfer consultancy services to support your company's rise to the stars.

COMPETITIVE EDGE TRAINING CALENDAR (CON'T)

LEAN SIX SIGMA YELLOW BELT PROBLEM SOLVING

April 14 (Full Day), April 28 (Full Day), May 21 (1/2 Day), 2015. Location TBD.

Over the 2 and 1/2 days of the course, the participants will build a foundation of process improvement capability using a consistent, structured problem solving technique, and to solve “real” organization problems that deliver “real” improvement results. Participants will complete the Yellow Belt Examination as part of the course. The course will occur with 2 weeks of interval time between sessions to allow time for material review and application of the methods and tools learned.

Topics:

- * Solving organizational problems utilizing the Journal Method (Quality Journal)
- * Solving organizational problems utilizing the Basic 7 Quality Control Tools (7 QC Tools)

Registration: \$1,375 per person. If registering 3 or more persons: \$1,125 per person. *Contact Heidi Abraham, Executive Assistant at habraham@cesdservices.ca or call (204) 272-2957*

DEPLOYING STRATEGIC PLANS

April 16, 2015; 7:30 AM – 10:00 AM; 1000 Waverley Street; Winnipeg

Your strategic plan needs to be part of your everyday thinking and activities. However, many businesses struggle with how to deploy, communicate, and track their plans throughout the organization.

How do best in class organizations deploy their strategic plans? They do so in a way that ensures the plan is not an annual event, but becomes the foundation for the decisions you make, and how your business acts every day.

We've helped small and large organizations in Canada and abroad deploy their plans. In this two hour session, we'll give you the guiding principles behind how we do it, and a snap-shot of the tools. These tools will position your organization to join the 10% of organizations that successfully deploy their strategic business plan.

Topics:

- * Real World Behaviors – Real World Results
- * Companies at Risk
- * Strategic Plan Deployment – The CESD Services Way
- * Start From Where You Are

Registration: \$165 per person. (Includes a continental breakfast). *Contact Heidi Abraham, Executive Assistant at habraham@cesdservices.ca or call (204) 272-2957*

SKILLS PLANNING AND DEVELOPMENT

May 7, 2015; 8:30 AM – 4:30 PM; 1000 Waverley Street; Winnipeg

World Class Organizations can answer the following: How do I incorporate skills planning and development into my organization's strategic business plan? How will skills planning and development increase the capabilities of my organization? How can I assess the skill levels of my employees? How can I determine the current strengths and weaknesses of our skills planning and development activities?

Topics:

- * Aligning strategic and human resources planning
- * Skills development and planning
- * Needs analysis
- * Evaluation
- * Visual Tools

Registration: \$360 per person. (Includes lunch). *Contact Heidi Abraham, Executive Assistant at habraham@cesdservices.ca or call (204) 272-2957*

COMPETE ON THE GLOBAL STAGE

We can help you get there.

MAGELLAN AEROSPACE APPOINTS NEW PRESIDENT AND CEO



Phil Underwood, new President and Chief Executive Officer, Magellan Aerospace

On May 13, 2014 in line with Magellan's succession planning process, the Board of Directors announced the appointment of Mr. Phillip (Phil) C. Underwood as President of Magellan Aerospace Corporation, based in Mississauga, Ontario. The announcement was made at Ma-

gellan's Annual General Meeting, held in Mississauga, and was effective on that same day.

Mr. Underwood joined the company in 2003 when Magellan Aerospace expanded into Europe with the acquisition of the UK business, known

at the time as Mayflower Aerospace. During his 33 years in the aerospace industry he also held a number of senior positions with GKN Aerospace in both the UK and the US.

Prior to Mr. Underwood's appointment to the position of President, he held key leadership roles within Magellan, most recently as Vice President, European Operations. In this role he led the UK operation and oversaw the corporation's manufacturing partnership in India. He was responsible for the strategic and operational direction across six operational divisions which employ more than 700 people, and was also a board director for the UK.

Mr. Underwood assumed the new role of President and CEO on January 1, 2015.

Mr. Jim Butyniec retired as President and CEO of Magellan Aerospace Corporation on December 31, 2014.



Hold the date!

2015 Manitoba Aerospace Dinner & Awards Evening

The 14th Annual Manitoba Aerospace Awards Dinner will be held
on November 19th, 2015

Thursday, November 19th, 2015

Victoria Inn – 1808 Wellington Avenue

Reception – 5:00 pm | Dinner – 6:15 pm

ADVANCED DIGITAL MANUFACTURING HUB

On March 13, 2015, the Honourable Michelle Rempel, Minister of State for Western Economic Diversification, announced \$5 million in support to the Orthopaedic Innovation Centre (OIC) to develop a \$20 million strategic Advanced Digital Manufacturing Hub (ADMH) in Winnipeg, over the next five years to commercialize new applications in the medical and aerospace markets using additive manufacturing technologies.

Additive manufacturing is a set of technologies that build 3D objects by adding layers of various materials, such as plastics and metals to create solid three-dimensional objects. These technologies have many new and emerging commercial applications that represent growth opportunities for both existing and new start-up Canadian companies.

The medical and aerospace sectors represent the markets of highest potential to adopt and profit from additive manufacturing. Medical devices and specialized aerospace components have many similarities in terms of significant investment into R&D, rigorous quality controls, high standards, materials, liability and long service life.

WD's investment will support the purchase of metal additive and digital subtractive manufacturing equipment by OIC, who, through its new division, Precision ADM, will work with a variety of stakeholders to invest in the Hub to accelerate Canada's adoption and commercialization of additively manufactured products.

This funding will stimulate additional private investment into the Hub. Stratasys Direct Manufacturing, a world-renowned additive manufacturing company, will establish its first Canadian manufacturing facility in Winnipeg. Magellan Aerospace, an aerospace manufacturing company, has committed significant R&D investment in the Hub to develop core capabilities in aerospace metal additive manufacturing.



Magellan Aerospace uses additive manufacturing for their sand casting process, and are excited to develop core capabilities in aerospace metal additive manufacturing.

Quick Facts

- OIC is a spin-out, non-profit corporation organization, from the Concordia Joint Replacement Group located at the Concordia Hip and Knee Institute.
- With previous WD support OIC focuses on evaluation and commercialization of medical devices through internal biomedical engineering and strategic collaboration with post-secondary institutions and industry.
- Precision ADM is a division of OIC focused on advanced digital manufacturing for medical and aerospace applications, through additive and automated subtractive processes.
- OIC Precision Labs (a division of OIC) acts as a non-medical service provider for advanced accuracy measurement services to meet the requirements of manufacturers, researchers and industry professionals across multiple sectors.
- It is estimated that the global additive manufacturing industry is expected to surpass \$21 billion by 2021.

Quotes

“Our Government is committed to ensuring Western Canadians have access to innovative technology and skills training opportunities. The Orthopaedic Innovation Centre will establish a unique

ADVANCED DIGITAL MANUFACTURING HUB (CON'T)

Advanced Digital Manufacturing Hub, benefiting the medical device, aerospace, and manufacturing sectors.”

- *The Honourable Michelle Rempel, Minister of State for Western Economic Diversification*

“Additive manufacturing allows engineers and surgeons at OIC to design medical devices that will also allow for patient specific solutions in ways that were not possible with conventional manufacturing methods. The Advanced Digital Manufacturing Hub is a unique opportunity for

OIC and its strategic partners to create a factory of the future. Partners including Stratasys, Stratasys Direct Manufacturing, Magellan Aerospace, EOS of North America, Western Economic Diversification, and the Province of Manitoba will accelerate the path of commercializing additively manufactured end products made from specialized metal powders and polymer materials for both the medical and aerospace industries in Manitoba and the rest of Canada.”

- *Martin Petrak, President & CEO, Orthopaedic Innovation Centre, Inc.*

“As Magellan Aerospace positions itself for the future, increasing our additive manufacturing capabilities is seen as a priority for growth. Magellan is exploring a potential partnership with the Orthopaedic Innovation Centre and, in investigating areas of mutual interest in these technologies, will help lead Canada in additive manufacturing innovation.”

- *Don Boitson, Vice President and General Manager, Magellan Aerospace, Winnipeg*

“Winnipeg has established itself as a centre for advanced manufacturing and the development of the Advanced Digital Manufacturing Hub in Winnipeg will significantly augment our manufacturing capabilities. The Advanced Digital Manufacturing Hub will lead the growth of our manufacturing capabilities in the rapidly emerging demands for high value 3D manufactured parts and the cross sectoral application of this technology from medical implants to aerospace. This Hub elevates Winnipeg’s position as the Canadian leader in R&D and applied digital manufacturing technology.”

- *Greg Dandewich, Senior Vice President, Economic Development Winnipeg, Inc.*

NEWS AT A GLANCE

Record CFM Orders Break 4,000 Barrier In 2014

Guy Norris for Aviation Daily

Boosted by surging order rates for the Airbus A320 and Boeing 737 families, CFM International has announced record annual sales of 4,244 CFM56 and Leap engines in 2014.

Higher Altitudes Cleared for GE-Powered 787, 747-8 In Icing

General Electric is introducing a final series of software and hardware improvements to mitigate the threat of core icing on its GE90 and GENx-

engines, and is using lessons learned from the modifications to ensure no ice-related surprises occur with the GE9X in development for Boeing’s 777X.

Sylvain Laporte Named President of the Canadian Space Agency

The Prime Minister announced today that veteran public servant Sylvain Laporte has been named as President of the Canadian Space Agency. Mr. Laporte is currently the Commissioner of Patents and Registrar of Trade-marks, Canadian Intellectual Property Office, Industry Canada. He will commence his new duties on March 9th.

Mr. Laporte has a long history in public service

NEWS AT A GLANCE (CON'T)

working at Industry Canada, the Canada Post Corporation and National Defence.

Aerospace Manufacturing Company Opening New Facility in Ontario

CAMBRIDGE, Ont. – An aerospace manufacturing company is opening a new facility in Cambridge, Ont., to fulfil a major Boeing contract.

Heroux-Devtek Inc., which specializes in manufacturing landing gear, says the facility will help the company deliver complete landing gear systems for Boeing's B-777 and B-777X aircraft in 2017.

The new facility is in the pre-production phase and is expected to be fully operational in June 2015, creating 40 jobs.

Airbus posts higher net profit in 2014 on back of higher jet deliveries

PARIS – Airbus says its net profit soared 59 per cent last year as a record-high number of jet deliveries helped offset a 551 million euros end-of-year charge against its delayed A400M military transporter program.

The European jet maker said Friday it made a 2.34-billion-euros (\$2.62 billion) net profit in 2014, up from 1.47 billion euros in 2013.

Interested in learning more about upcoming events and the current industry news? Visit the News and Events page on the Manitoba Aerospace Association website at <http://mbaerospace.ca/news-events/>.

CADORATH AEROSPACE AWARDED COVETED ROLLS-ROYCE AWARD

Cadorath Aerospace is proud to announce they have been awarded the 2015 M250 FIRST Network Award for Family Teamwork. The FIRST Network Award is given to facilities that have supported the FIRST Network to help, assist & improve their value added contributions.

The award was presented to David Haines, Senior VP of Cadorath during the annual Rolls-Royce M250 FIRST Network Awards Ceremony at the Hilton Hotel in Orlando, Florida on March 2.

“Receiving this award is a direct result of our management and employees commitment and passion to taking care of our customers,” says Haines. Haines continues, “We would like to thank StandardAero for providing us with the opportunity to support their Rolls-Royce 250 requirements while they bring their reworks program back on-line.”

The Cadorath Group of Companies is family

owned and operated. The Cadorath Group provides superior solutions and products to a global client base through its group of companies located in: Winnipeg, MB Canada, Lafayette, LA U.S.A. and Orion, IL U.S.A. Cadorath Aerospace – Cadorath Distribution - Cadorath Coatings – Cadorath Uniflyte – Meridian Helicopter



Rolls-Royce M250 FIRST Network Award for Family Teamwork awarded to Cadorath Aerospace of Winnipeg on March 2 in Orlando, Florida.

AEROSPACE & AVIATION IN MANITOBA DAY (AAiM Day)



Students answering questions at the end of the event

The first Friday after the May long weekend has been designated as the annual Aerospace & Aviation day in Manitoba (AAiM). The program brings together the aviation and aerospace communities to provide a learning experience for Grade six students.

The program is a one-day event that is hosted at Red River College - Stevenson Campus, and is designed to provide hands on activities for the students that relate to the aviation and aerospace industries and correlate with the Manitoba Grade six science curriculum units on flight and space science. Since its inception in 2006, the program has grown to annually include up to 700 students from both urban and rural schools as well as private and home-school organizations.

AAiM Day "Hosts":

- Boeing Winnipeg
- StandardAero
- Magellan Aerospace
- Manitoba Aerospace Human Resource Council
- Career Trek
- Red River College, Stevenson Campus
- Manitoba Rocketry Group
- Tec Voc High School - Aerospace Manufacturing and Maintenance Orientation Program (AMMOP)
- Women in Science and Engineering (WISE), University of Manitoba
- 17 Wing (Air Force)
- Canadian Forces School of Aerospace Studies (CFSAS)
- Air Cadet League of Canada (MB) Inc.

The program is run in two sections with approximately 350 students participating in each. The sessions are made up of six 20-minute learning modules. The program requirements and responsibilities have been laid out with each of the organizations taking a lead role on one or more of the activities.

Program activities:

1. Aircraft Inspection: students learn to identify parts of aircraft by taking on the roles of aircraft maintenance engineers on inspection



A student learning about the principles of flight while making an airplane

2. Characteristics of Flight: students learn about the characteristics of flight and design and fly a paper glider

3. Composite Materials: students learn about the latest composite materials used in aircraft and create a composite part

4. Flight Theatre: students learn about the various aviation and aerospace careers by taking an imaginary flight

5. Rockets: students learn about rockets and design and fly a paper rocket

6. Space Crater Fun: students learn about the craters and space science by creating a variety of simulated craters

6. Space Crater Fun: students learn about the craters and space science by creating a variety of simulated craters

We are always looking for industry volunteers so; if you are interested in volunteering and can

clear it with your supervisor, please contact Barb Bowen; bbowen@mbaerospace.ca or Melanie Rennie; mrennie@mymts.net.



Students posing inside a military search and rescue helicopter

PEOPLE ON THE MOVE



Rick Jensen retired from Boeing after an extraordinary career spanning almost 43 years. The MAA would like to thank Rick for his leadership and dedication to Boeing and to the Manitoba Aerospace Association.

Rick began his career with Boeing as a technician in the layup area in 1972. Rick has held numerous leadership positions with the company, including Director Quality Assurance, Factory Manager, Business Operations Manager, Program Manager on the 787, and Technical Sales Representative.

In his most recent role as Director of Communications, Community, and Government Relations, his efforts have helped build a brighter future for Boeing Canada Winnipeg. His legacy also extends to the larger Winnipeg and aerospace community. Rick is a model leader having served on the board of directors for the Aerospace Industries Association of Canada (AIAC), the Manitoba Aerospace Association (MAA), the Composites Innovation Center (CIC), and representing Boeing at the Western Canadian Aviation Museum.

Rick's last day with Boeing was Thursday, April 2. The MAA would like to thank Rick for his service to the Association, and to wish him well as he prepares to take on new adventures.



Congratulations to Matthew Hall, as the new General Manager at Fast Air.

As General Manager, Matthew brings over 20 years of professional experience including management roles at internationally recognized companies. Matthew's career has focused on growing strong teams and driving potent change within manufacturing and aerospace industries, including the execution of major process redesigns within MRO and manufacturing industries.

Since joining Fast Air in 2009, Matthew has designed and implemented the company's Safety Management System, and held the positions of Assistant Chief Pilot and Marketing Manager. Along with his duties as General Manager, Matthew is an active flight crew member and holds type ratings on the King Air 200 and Gulfstream G150. Matthew's leadership and focus directs the Fast Air team in the relentless pursuit of the ultimate customer experience, and creation of industry leading solutions in aviation services.



The MAA would like to thank Dan McGregor for serving as a Director and Treasurer of the association for the last two years. In addition to his responsibilities as the Manager of Finance at Boeing Canada Operations, Dan helped keep us informed and on track at the association. We would particularly like to thank him for helping us manage our growing student awards endowment funds and assisting with the establishment of new endowment funds at Red River College and the University of Manitoba.

Welcome to Stacy Evans as a new board member and Treasurer for the Manitoba Aerospace Association. Stacey joins us from the accounting offices at StandardAero and we look forward to the enthusiasm and energy she brings to the role.

PEOPLE ON THE MOVE (CON'T)



Thank you to Udaya Silva for his many contributions to the MAA over the last four years. A board member since 2011 and active participant in many initiatives, including the Technology Road Map Steering Committee, the association was fortunate to have his passion and experience helping to guide us. While he leaves the board to focus on the challenges and opportunities that his new role as Vice President and General Manager with B/E Aerospace – Canada brings, we are to know that B/E Aerospace remains an active and supportive member of the association and we look forward to watching them grow their presence in Canada and around the world.

MARTC MEMBERSHIP

The Manitoba Aerospace Association would like to take this opportunity to introduce you to their newest committee, the Manitoba Aerospace Research and Technology Committee (MARTC).

This industry led standing committee will guide the technology development activities needed to advance the aerospace industry in Manitoba.

The committee members are:

Melanie Mulder, Chair, StandardAero

Fred Doern, Red River College

Vic Gerden, WestCaRD

Jeff Thomas, Argus Industries

Richard Laurin, Boeing Winnipeg

Gene Manchur, Composites Innovation Centre

Myron Semegen, Industrial Technology Centre

David Simpson, EnviroTREC

Douglas Thomson, University of Manitoba

Asif Levin, Cormer Aerospace

Ken Webb, Manitoba Aerospace Association

Dave O'Connor, Magellan Aerospace

Alfonz Koncan, Secretariat, EnviroTREC

MANITOBA AEROSPACE EVENTS - SPRING/SUMMER 2015

AeroDef Manufacturing 2015

Dallas, Texas

April 20-23, 2015

Aero 2015

Montreal, Quebec

May 19-21, 2015

AAiM Day

RRC - Stevenson Campus, Winnipeg

May 22, 2015

CADSI Industrial Participation Symposium

Ottawa, Ontario

May 26, 2015

LEAN Conference (CME and AME)

RBC Convention Centre, Winnipeg

June 1-4, 2015

International Paris Air Show

Paris, France

June 15-21, 2015

WestDEF

Calgary, Alberta

July 5-7, 2015

Aerospace Defence Security Expo (ADSE)

Abbotsford, British Columbia

August 6-7, 2015

Manitoba Aerospace Golf Tournament

Larters at St. Andrews Golf & Country Club

September 10, 2015

DSEI

London, UK

September 15-18, 2015

2015 Canadian Aerospace Summit

Ottawa, Ontario

November 17-18, 2015

Manitoba Aerospace All-Stars Award Gala

Victoria Inn, Winnipeg

November 19, 2015