

APRIL 2016



**MESSAGE FROM  
THE ACTING CHIEF  
EXECUTIVE OFFICER  
-  
WENDELL WIEBE**

We are starting a new era in our mandate to support the aerospace industry in Manitoba. For the last 24 years, the aerospace industry has been represented by two organizations: Manitoba Aerospace Association (MAA) and Manitoba Aerospace Human Resources Council (MAHRC). On April 1st, the two organizations amalgamated and our industry is now represented by one organization, Manitoba Aerospace Inc (MA).

In November 2015, discussions about the possible amalgamation of the two organizations were started. Those conversations resulted in the Board of Directors of each organization contributing two representatives to a steering committee, whose mandate was to explore possibilities and then to make recommendations back to each of the Boards.

Early on, it became clear that it made sense for the two organizations to amalgamate, as long as each organi-

zation's key stakeholders agreed and major funders supported the concept. In late February, both Boards of Directors recommended the amalgamation (MAHRC on Feb 24th and MAA on Feb 29th). On March 7th, a special meeting of the membership of both organizations was held and the membership voted to support the amalgamation.

It is the intent of the new Board of Directors of MA to build on the great tradition of the previous two organizations. The main areas of focus of each organization will merge into four areas for MA: Human Resources Development; Marketing (Branding); Innovation, Research & Development; and Development of Small to Mid-Sized Businesses (SMBs).

Over the next few months, the staff of MA will be working at consolidating the strategic plans of MAA and MAHRC. The consolidated strategic plan will be presented to the membership in October, at the Annual General Meeting of MA.

I would like to take this opportunity to thank our departing Executive Director, Ken Webb for his leadership, professionalism and dedication. He has done a great job representing the aerospace industry on the provincial, national and international stages. It has been a pleasure working with Ken and we wish him all the best in his "retirement".

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## MANITOBA AEROSPACE BOARD OF DIRECTORS

Effective as of April 1, 2016, Wendell Wiebe is the Manitoba Aerospace (MA) acting Chief Executive Officer, and the new board of directors are:

Greg Anderson  
B/E Aerospace

Don Boitson  
Magellan Aerospace

Kim Olson  
StandardAero

Leslie Galbraith  
Argus Industries

Bob Hastings  
Pointman Canada

Mike McCartan  
KF Aerospace Defense Program

Wayne McLeod  
Keewatin Air

Udaya Silva  
B/E Aerospace Canada

Leo Sousa  
Cormer Aerospace

Daniel Verreault  
GE Aviation

Kim Westenskow  
Boeing Canada Operations

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## ROLLS-ROYCE RECOGNIZES STANDARDAERO FOR CUSTOMER SATISFACTION AND PROGRAM INVESTMENT AT ANNUAL FIRST NETWORK AWARDS RECEPTION

StandardAero received both “Customer Satisfaction” and “Program Investment” awards at the Rolls-Royce FIRST Network Recognition Reception, held on February 29 at HAI Heli-Expo in Louisville, Kentucky.

The awards recognize authorized maintenance service centers that provide MRO services for M250 helicopter engines. This is the unprecedented seventh year in a row that StandardAero has received the Customer Satisfaction award.

The Rolls-Royce Customer Satisfaction Award recognizes those facilities with the highest customer satisfaction ratings based on customer letters, performance, likelihood to recommend scores, 3rd party monitoring and customer surveys.

The Rolls-Royce Program Investment Award recognized StandardAero for its significant investment to support the repair of Rolls-Royce M250 engines and component parts. Specifically, StandardAero was recognized for the company’s \$5M investment to enhance and completely upgrade its plating facility to the highest industry standards.

“We are thrilled to continue our long winning streak for these prestigious awards,” said Manny Atwal, Vice President, Helicopters, StandardAero. “The customer satisfaction award is the most gratifying for our team, knowing that our efforts to provide outstanding services have been recognized and even more importantly -- consistently acknowledged for the past seven years in a row.”



8<sup>TH</sup> ANNUAL

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8<sup>E</sup> ANNUELLE

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## **STANDARDAERO WINS CONTRACT TO SUPPORT U.S. SPECIAL FORCES C-27J SPARTAN AIRCRAFT ENGINE MRO SERVICES**

StandardAero was awarded a new contract to provide support for the U.S. Army Special Forces Aviation Group's engine maintenance, repair and overhaul (MRO) services for its fleet of eight C-27J aircraft.

The contract will be administered by Lockheed Martin, who holds the overarching responsibility to provide maintenance for the U.S. Army Special Forces Aviation sector.

"We are excited to begin this new relationship with the U.S. Army Special Forces and Lockheed Martin and hope to exceed their expectations," said Fritz Wolkenstein, Vice President & General Manager of StandardAero's Defense and Energy business unit in Winnipeg, Canada. "We look forward to developing a long-term partnership."

StandardAero is a leading aircraft engine MRO provider supporting more than 700 military engine overhauls over the past 22 years. The company is also known as an industry leader in Reliability Centered Maintenance (RMC).

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## **INNOVATION, RESEARCH AND DEVELOPMENT AGENDA FOR MANITOBA AEROSPACE**

Scott Burkun said, "Innovation is about making significant positive change that adds value". Innovation may be a new product or process (invention) or an improvement to an existing product or process (adaptation). It's about doing things better for your customers and shareholders. It's about being more competitive.

Innovation, research and development was identified as a priority through our strategic planning exercise last year. It was a key recommendation in the Emerson report, and a priority in the recent federal budget. So what is our innovation agenda and how do we move it forward?

Innovation, research and development is one of the four key functions identified for the new Manitoba Aerospace organization. Led by the Manitoba Research and Technology Committee (MARTC) and supported by the regional consortium for Aerospace Research and Innovation in Canada (CARIC) office, Manitoba Aerospace will advance the Manitoba aerospace technology roadmap; help create an innovation culture within the Manitoba aerospace community; increase the amount of aerospace R&D in Manitoba; and ensure that Manitoba's aerospace R&D priorities are included in the national aerospace technology roadmap.

MARTC is a Manitoba Aerospace standing committee supporting the research and technology

development activities necessary to advance Manitoba's aerospace industry. Industry driven, it includes representatives from both large and small aerospace companies along with R&D organizations such as the University of Manitoba, Red River College, the Composite Innovation Centre and R&D collaborators such as the Industrial Technology Centre, WestCaRD, Precision ADM and EnviroTREC.

Chair Richard Laurin (Boeing) is supported by Deputy Chair Loren Hendrickson, the Central Region CARIC director. Currently MARTC is validating/updating the Technology Road Map, and identifying potential research projects for the Manitoba aerospace community.

CARIC is the new, national aerospace research network established to support collaborative research projects. Manitoba Aerospace is hosting the central region CARIC office and in its first year of operation it has already supported two major research projects, and a number of sponsorships and awards at the University of Manitoba.

The first CARIC project to be approved from western Canada is a \$2.5M collaborative project coordinated through the Canadian Composite Manufacturing R&D consortium (CCMRD), a consortium of aerospace companies and research organizations across Canada.

# INNOVATION, RESEARCH AND DEVELOPMENT AGENDA FOR MANITOBA AEROSPACE (CON'T FROM PG 4)

Six industrial partners, (including Magellan and Boeing) two research organizations (including the Composites Innovation Centre), and two academic partners (including Red River College), will collaborate to develop innovative solutions to design technology development and manufacturing processes to produce challenging aircraft geometry from composite materials.

In January, the StandardAero led research project "*Evaluation of Advanced Fusion Welding Technologies in the Structural Repair of Aluminum and Magnesium Alloys*" was approved. This \$1.4M project will evaluate and demonstrate the application of new high performance welding technologies to the difficult applications of structural weld repair to light alloys in aerostructures and components. Collaborating partners include the University of Manitoba, Red River College and Huys Industries.

On May 26 the CARIC regional office will hold the inaugural CARIC Research Forum for Manitoba and Saskatchewan at the University of Manitoba. Industry, academia and research organizations will converge to get an update on the Technology Roadmap, discuss industry's R&D priorities, and consider new research projects.

The collaborative aerospace community in Mani-

toba has been creating innovative R&D solutions for some time now. Industry has been partnering with the University of Manitoba and Red River College by hosting and sharing "academic" labs within their facilities, the Composites Innovation Centre has created programs to support the development of the composites capability in industry, and industry and the Faculty of Engineering created the Engineer in Residence program to bring experienced senior engineers into the faculty.

The Technology Access Centre at Red River College provides industry with access to college students and infrastructure in support of applied research projects and technology transfer training and IRAP helps SMEs develop new technologies and processes to increase their innovation capacity.

With the new government's focus on innovation and the National Research Council's new Factory of the Future facility soon to be built in Winnipeg, the aerospace innovation ecosystem has never been stronger.

Come out to the CARIC Research Forum on May 26 to find out what's on the agenda and how you can get engaged.

## SAVE THE DATE: CARIC Research Forum

### Plan to attend CARIC's inaugural Research Forum for Manitoba & Saskatchewan.

The Research Forum is the perfect event to initiate new collaborative research projects! Seize this opportunity to learn about the local aerospace industry's research and development (R & D) needs. You will meet industrial specialists as well as researchers from universities, colleges and research centres who could provide their expertise. Non-aerospace collaboration is welcomed!

More details to come about the event's program. Please stay tuned!

**Date:** Thursday, May 26, 2016  
**Time:** 8:30 a.m. to 4:30 p.m.  
**Location:** University of Manitoba  
Engineering Information & Technology Complex



#### About CARIC

The Consortium for Aerospace Research and Innovation in Canada (CARIC) is a national non-profit organization established with the Government of Canada's financial support.

Its mission is to facilitate communication and collaboration among aerospace companies, research centres and academia. CARIC provides financial support for collaborative R&D projects and creates and supports collaboration initiatives to improve the competitiveness of the Canadian Aerospace Industry.

#### Funding partner:





## CANADIAN OWNERS AND PILOTS ASSOCIATION FOR KIDS

Source: Jerry Roehr, COPA Treasurer and Director, representing Manitoba and Nunavut



While it is important to highlight the advancement in the aviation industry as well as the economic impact on Manitoba's economy, there is one important factor that should not be overlooked. Industry needs to train well trained and well equipped personnel to do the job; and it needs well trained and well-motivated pilots.

Often the desire to become a pilot is something people dream off at a very young age. The 17,000 members Canadian Owners and Pilots Association (COPA) developed a program that captures a young person's desire to soar like an eagle, but in modern sophisticated and well equipped airplanes.



*Peter Moody on the return flight with two guests*

To complement the successful Air Cadet glider and power aircraft program, COPA administers their own program called "COPA For Kids". The mission for the COPA For Kids Aviation Program is to provide a motivational aviation experience, focusing on a demonstration flight in an airplane.

These flights are provided free of charge to any youth ages 8-17 wishing to participate.

Many of COPA national flights (local chapters) are participating and enjoy the thrill of providing many children their first flight experience. For many COPA flights flying young people has become a highlight of the summer season.

Pilots volunteer their airplanes, their fuel and their time while other members organize the hundreds of young people to come out on a given day. One measure of the success young-person flying program is that many people who had an introduction to flying at an early age have gone on to get their pilot licenses and are now flying young people themselves.

The COPA For Kids program is sponsored by the insurance underwriter AIG. It has been created as a Canada-only program for COPA Flights (local chapters). The COPA For Kids program is similar to and has been inspired by an equivalent program in the United States and around the world called Young Eagles which was created by the Experimental Aircraft Association (EAA) Aviation Foundation in 1992.

The Canadian Owners and Pilot Association is not associated with the EAA Young Eagles Program. Both EAA and COPA applaud each other's effort to involve young people in aviation, and each organization offers their members their own way to demonstrate the wonders of flight to young people.

COPA pilots will retain a record of COPA For Kids flight and will register the flight in the COPA Junior Aviator Logbook. Each young person will receive a pilot's Log Book with the first flight entered and can check the COPA for Kids web site Junior Aviator Logbook to look for his/her name: <http://www.copaforkids.org>. Since its inception in 2009 over 10,000 young aviators have experienced the thrill of first flight.

## GIRLS IN AVIATION DAY

# Girls IN AVIATION DAY

A Women in Aviation, International® Event

Join us for our second annual Girls in Aviation Day; Saturday, September 24th, 2016! Hosted by the Northern Spirit Winnipeg chapter of Women in Aviation International, the day has been designed for girls aged 8-16. There is a jam-packed morning planned with interactive activities.

Meet a pilot, flight attendant, air traffic controller, airline dispatcher, maintenance engineer, airport operations manager and aerospace engineer at each of our career stations set up throughout the museum. At each station you'll get a chance for a hands-on activity and learn about their specific career.

Registration is free, and will be open in May; be sure to follow us on Facebook and Twitter for more information, or at [www.northernspiritywg.ca](http://www.northernspiritywg.ca).



### Aerodynamics

Have you ever wondered how airplanes fly? You'll get to build a paper plane and change its basic design to see how this affects its flight. There's a lot of cool science in building airplanes.



### Theory of Flight

What makes an airplane go up and down? How does an airplane turn? Hop in a real airplane, put your hands on the controls and learn the principals of flight!



### Airport Operations

You probably don't even realize that there's a whole team of people working together to make sure the airport is safe for your airplane to take off and land - find out how this team keeps our airport safe.



### Air Traffic Control

Imagine what would happen to the hundreds of airplanes criss-crossing the sky if we didn't have air traffic controllers? Come and see how they keep all of this traffic organized.



### Flight Dispatch

Did you know that there's a flight dispatcher on the ground who plans the route for your flight, monitors the weather along the way and keeps a close watch until you land?



### Engineering

Have you ever heard of Bernoulli's Theorem? This is the scientific principle that explains how a 100 ton airplane can fly in the sky. Aeronautical engineers use principles like this in their work every day.

## CANADIAN SPACE SOCIETY ANNUAL SUMMIT

Canada, like our partners, is at a crossroads as it approaches how to build upon its current space capabilities that have literally taken decades to develop and field.

Ongoing successes by Canada's first military satellite Sapphire and multi-purpose RADARSAT-2 begin to beg the question "where do we go from here?" From sustaining ISS operations, to managing space debris, to managing space exploration expectations among the moon, Mars, and beyond, Canada is seeking more and more input from the private and academic sectors, and international partners, as it wrestles to meet its rapidly changing priorities. As a means to support this effort, the Canadian Space Society (CSS) is holding its annual summit in Winnipeg, Manitoba on 13-15 November, 2016.

The Summit is an annual, two day conference that attracts stakeholders from all areas of Canada's space community - industry, academia, and government - to discuss important issues and developments in space.

This year's theme is "At the Centre of it All" which highlights Manitoba's incredible contribution to space past, present, and future. Past Summit speakers have included CSA presidents Sylvain Laporte, Walter Natynczyk, and Marc Garneau, NASA Associate Administrator for Human Explo-

ration and Operations Directorate William H. Gerstenmaier, UrtheCast President and COO Wade Larson, and Telesat Vice-President Paul Bush.

We expect approximately 200 attendees for the Summit which will be held at the Inn at the Forks hotel. Additionally, this year we are hosting a public event on Saturday, November 13, 2016. We expect 150 people, mostly families and some conference attendees, to take part in this activity.

Canada has a rich history of space accomplishments and a wide breadth of space experience all across the nation. The Summit aims to bring together the various stakeholders, working alone or in tandem with other partners, Canadian or foreign, to share these experiences, as well as to provide an opportunity to engage/network.

### About the CSS

The Canadian Space Society (CSS) is a national non-profit organization made up of professionals and enthusiasts pursuing the human exploration and development of the solar system and beyond. Its principle objective is to stimulate the Canadian space industry through its technical and outreach projects and promote the involvement of Canadians in the development of space.

For more information, please visit our website at [summit2016@css.ca](mailto:summit2016@css.ca)

# SAVE THE DATE



www.css.ca

13 - 15 November 2016

## CANADIAN SPACE SOCIETY ANNUAL SUMMIT

**DATE**  
13 - 15 November 2016

**LOCATION**  
Winnipeg, Manitoba

**VENUE**  
Inn at the Forks

Official Event Sponsor  
 **MAGELLAN**  
AEROSPACE





## DON BOITSON APPOINTED VICE PRESIDENT NORTH AMERICAN OPERATIONS FOR MAGELLAN AEROSPACE



dent North American Operations for Magellan Aerospace Limited. In his new role Don will be responsible for Magellan's North American operating divisions.

Don has been employed with Magellan at the Winnipeg location since 1988 in progressively more senior roles. Since 2003 Don has been the Vice President and General Manager of Magellan Winnipeg, responsible for all aspects of business development, manufacturing and procurement. In 2008 Magellan Middletown was added to his responsibilities.

Don is a Professional Engineer and member of the A.P.E.G.M., having graduated from the University of Manitoba with a B. Sc. in Eng. (Mech.). He is currently the Past President and director of the Board of Directors, Manitoba Aerospace.

Phillip Underwood, President and CEO of Magellan Aerospace has recently announced that Mr. Don Boitson has taken up the role of Vice Presi-

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### MAGELLAN AEROSPACE, WINNIPEG ANNOUNCES NEW GM



D. P. (Paul) Heide has accepted the position of Magellan Aerospace, Winnipeg's new General Manager.

### MANITOBA AEROSPACE NETWORKING MEETING

**Please join us for our summer networking meeting.**

When: Thursday, June 2, 2016

Where: Hilton Suites Hotel, Winnipeg

Time: 7:30 a.m. - 10:00 a.m.

The main event speaker will be Roberto Valla, Defense, Space & Security (BDS) vice president of Global Sales for Canada for Boeing.

We hope to see you there!

## BOEING AND EMPLOYEES CONTINUE TO SOAR



In its nearly 100 years of operation, The Boeing Company has continued to provide commercial airlines with some of the latest advances in aerospace technology. Those innovations have included everything from the composite materials used in the wings and fuselage of its Boeing 787 Dreamliner to a new hybrid-electric propulsion system currently being tested.

One thing that hasn't changed during that time is the company's focus on supporting its employees, including those employed at its Winnipeg site headquarters in Murray Industrial Park. Just ask Shirley Langver, who has been with the company 38 years and worked her way up from an entry level position to become a senior manager. Langver was first diagnosed with cancer back in 2005 and battled the disease on four separate occasions. Today she is cancer free and credits the support of her employer and coworkers with helping her win her fight.

"I can honestly tell you the support of (people) here and the strength I pulled from that... was a big part of what pulled me through my struggles," she said. "That is very important to me, the relationships I've built over the years and the friendships I have here at Boeing."

That kind of support is a big reason why Winnipeg-based Boeing Canada Operations Ltd. has regularly been ranked among Manitoba's Top 25 Employers.

Since it opened for business in 1971, Boeing Winnipeg has grown from 57 employees to more than 1,600, making it one of the city's largest employers. Perhaps an even more impressive number is the average length of service for employees at the company is 20 years.

Terry Trupp, a communications specialist who has been with Boeing for 28 years, says one of the main reasons employees tend to remain with the company is its efforts to actively engage them in the decision-making process.

Employee teams have a say on everything from how to make their work environment safer to how to reduce waste. Last year, a team working on the Boeing 787 Dreamliner recommended switching from using disposable batteries in their headlamps to rechargeables. The switch resulted in a reduction of the number of batteries the team uses from 50,000 to just 400 per year and reduced battery waste from 18,000 pounds a year to about 2,000.

"Rather than having it top down, they're empowered and they empower us to make improvements. That's really helped keep us strong and moving forward," Trupp said.

There is very much a family feel among staff at Boeing Winnipeg, both literally and figuratively. In fact, it's not uncommon for multiple generations of the same family to work together.

Trupp said the company has made a concerted effort to create a family-like atmosphere where people know and trust each other. It provides a fully-furnished gym that is available to staff for a nominal fee, organizes employee baseball and curling leagues and arranges annual Christmas parties for staff and their children.

The company has also made a commitment to investing in the long-term development of employees. It offers tuition subsidies for certificates as well as undergraduate and graduate degree programs and financial assistance for individuals working towards their professional accreditation. In addition, Boeing offers a two-year Leadership Development Excellence (LDE) program designed to develop future leaders within its ranks and in the community. The company also provides local university and college students with on-the-job experience through paid internships which includes mentorship for all students.

Trupp said one of the things she is proudest of is the company's efforts to celebrate diversity in the

## BOEING AND EMPLOYEES CONTINUE TO SOAR (CON'T FROM PG 8)

workplace. Each year it stages Diversity Week, a mini Folklorama-like celebration during which employees get to sample all kinds of ethnic food and culture. The company also provides a variety of communications tools to deaf employees and ensures there are interpreters at all meetings they attend.

There are also a few days each year set aside to celebrate aboriginal cultural with an event known as Aboriginal Days involving cultural displays, entertainment and food.

Even as its Chicago-based parent company prepares to celebrate its past during this year's centennial anniversary celebrations, Trupp said Boeing employees continue to look ahead to Boeing's second century. That future will include more innovation while maintaining current priorities like the many charitable efforts Boeing employees are involved in such as serving breakfast at Siloam Mission, working with students at Fort Whyte farm and the annual United Way plane pull and employee charity campaign.

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## STANDARDAERO LAUNCHES NEW M250 HELICOPTER ENGINE COMPRESSOR CASE LIFE EXTENSION PROGRAM WITH ENDUROCOAT 3500 SOLUTION

StandardAero's Helicopter business unit has launched a new engine compressor case life extension program to help Rolls-Royce M250 engine operators reduce maintenance service intervals and keep their helicopters in the air for longer periods of time, reducing overall operating costs.

StandardAero developed the EnduroCoat 3500, a Rolls-Royce approved, advanced technology patent-pending coating system, which reduces plastic breakout problems that are a common maintenance issue on M250 compressor cases.

"Plastic breakout is an industry problem that no one has been able to solve until now," said Manny Atwal, Vice President & General Manager of StandardAero Helicopters. "We believe our development of the EnduroCoat 3500 coating solution will be a true differentiator for M250 Series II engine operators."

Currently, Rolls-Royce M250 Series II compressor cases are used in more than 6,000 helicopter engines worldwide. Historically, plastic breakout in compressor cases leads to downtime for operators, costing them valuable time and money. The new EnduroCoat 3500 compressor case reduces the problem of plastic breakout and StandardAero

is offering a conditional lifetime warranty guarantee for customers, excluding erosion, corrosion FOD or other damage to compressor stator vanes.

"Over time, cracks can initiate at the root of the blades within M250 engine compressor cases, due to thermal cycling. As the cracks grow, they propagate towards adjacent cracks, eventually causing plastic breakout," explained Graeme Crawford, StandardAero Repair Development Engineer. "The EnduroCoat 3500 improves plastic adhesion which reduces the propagation of plastic cracks. Additionally, the EnduroCoat 3500 drastically reduces corrosion of the base metal which also contributes to plastic breakout. This ingenuity makes it possible to minimize plastic breakout within the compressor case, which in turn, minimizes time lost and money spent for operators."

Through fielded engine trials, StandardAero EnduroCoat 3500 had achieved a 20% increase in compressor case lap shear strength in comparison to industry standard repair procedures. The new EnduroCoat program begins on March 1 and StandardAero is currently accepting compressor cases for repair at the company's Winnipeg, Canada maintenance repair and overhaul facility.



## STUDENT UNMANNED AERIAL SYSTEMS COMPETITION

Students at Canadian Universities have responded in record numbers to the 2016 Unmanned Systems Canada Student UAS Competition, held at Southport, Manitoba.

Eighteen teams from across Canada have registered. First time competitors from Western, Guelph and McGill will add excitement and new input to the 9th annual challenge. In search of a greater competitive edge, Concordia, McGill and Toronto have each registered two teams.

The competition takes place in two phases with Phase I, a design report from each team due January 15/16, 2016 and Phase II, the flying demonstration, April 29th – May 1st, 2016.

The purpose of the competitions is to promote and develop Canadian expertise and experience in unmanned systems technologies at the university and college levels. Teams will be graded on the quality and completeness of their design report and the results of the aerial demonstrations – there will be separate prizes for each phase.

To give the students real life UAS experience, the scenario for this competition combines problems encountered by the agriculture sector. Each team is a “company” hired to use their UAS to determine the health of a local farmer’s crops. They must identify the crops’ location, type and health and map them with an airborne sensor system. The

farmer accepts the validity of using crop probes to measure soil conditions in specific locations to validate the aerial results obtained via the image system. Various symbols and small structures are set out in the flying zone to simulate the scenario. A written report on the findings is also submitted.

The competition is designed and judged by a dedicated group of Unmanned Systems Canada experts, and supported by local volunteers and industry sponsors. Through various student activities, the association is helping to foster greater success in Canadian UVS ventures.

Once again, Southport will open its doors to host the competition. This thriving community, an hour west of Winnipeg, features an airport, aviation and aerospace training facilities, and on-site accommodation that allow easy access for early morning starts and late night discussions.

Thanks to enthusiasm and support from past sponsors, the competition has been able to raise the bar and increasingly attract first class teams with innovative ideas. The competition serves as a job interview scenario and a number of UAS competitors have been hired by a sponsoring company.

Sponsorship opportunities are available. To become involved as a sponsor as we support and celebrate the best and brightest of the Canadian UAS sector, contact [dmitchell@southport.ca](mailto:dmitchell@southport.ca)

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## MAGELLAN AEROSPACE ANNOUNCES NEW WIRE STRIKE PROTECTION SYSTEM™



Magellan Aerospace announced at Heli-Expo 2016 that a Wire Strike Protection System™ (WSPS™) will soon be available for the Robinson R66 helicopter platform with the anticipated issuance of a Supplemental Type Certificate (STC) in the first quarter of 2016.

The WSPS™ is designed to provide a measure of protection for helicopters in level flight in the event of an encounter with horizontally strung wires and

cables, using the concept of guiding wires over the fuselage into high tensile steel cutting blades. The basic WSPS™ system is comprised of an upper cutter, lower cutter, and a windshield deflector.

The R66 WSPS™ kit is expected to be available for new R66 helicopters commencing in the fall of 2016. Internal provisions for the R66 WSPS™ platform will be available as an option from Robinson on new helicopters and will allow for easy installation of the exterior kit. A comprehensive aftermarket kit, including the internal provisions, will be available to retrofit older R66 helicopters from Magellan Aerospace’s authorized distributors (<http://magellan.aero/product/wsps>).

In Support of the  
**Aerospace Student Awards Endowment Fund**

# 2016 **Golf Tournament**



**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 15, 2016**



## MANITOBA AEROSPACE EVENTS WINTER 2016

### **MRO and the U.S. Department of Defence**

Webinar sponsored by Global Affairs Canada

April 14, 2016

### **Aerospace and Defence Supplier Summit**

Seattle, Washington

April 14-15, 2016

### **The Innovators**

RBC Convention Centre, Winnipeg

April 21, 2016

### **RCAF Gala - 75 Years of Flight Training at Southport**

Hangar 1, Southport

April 23, 2016

### **International Aerospace Week**

Montreal, Quebec

April 25-26, 2016

### **CRIAQ/CARIC Forum**

Montreal, Quebec

April 27, 2016

### **Doing MRO in Canada**

Montreal, Quebec

April 28, 2016

### **WAA Annual Public Meeting**

Inn at the Forks, Winnipeg

April 27, 2016

### **UAV Student Competition**

Southport, MB

April 29 - May 1, 2016

### **AMMOP Open House**

Tec Voc High School, 1555 Wall Street

May 4, 2016

### **Economic Development Winnipeg AGM**

Delta Hotel, Winnipeg

May 23, 2016

### **CARIC Regional Research Forum**

University of Manitoba, Engineering Information and Technology Complex

May 26, 2016

### **CANSEC**

Ottawa, Ontario

May 25-26, 2016

### **Centrallia**

Winnipeg, Manitoba

May 25-27, 2016

### **Aerospace and Aviation in Manitoba Day (AAiM Day)**

Stevenson Campus, Winnipeg, Manitoba

May 27, 2016

### **Manitoba Aerospace Week**

Winnipeg, Manitoba

May 30 - June 5, 2016

### **True Patriot Love Dinner**

RBC Convention Centre, Winnipeg

June 1, 2016

### **Canadian Aviation Historical Society Conference**

Vicount Gort Hotel, Winnipeg

June 1-5, 2016

### **Manitoba Aerospace Networking Meeting**

Hilton Suites Hotel, Winnipeg

June 2, 2016

### **Manitoba Air Show**

Southport, Manitoba

June 4, 2016

### **Air Force Run**

17 Wing, Winnipeg

June 5, 2016

### **West Def**

Calgary, Alberta

July 5-7, 2016

### **Farnborough International Air Show**

Farnborough, UK

July 11-15, 2016

### **Manitoba Aerospace Camp**

University of Manitoba, Winnipeg

July 11-16, 2016

### **Aerospace Defense Security Expo (ADSE)**

Abbotsford, British Columbia

August 11-12, 2016

### **Manitoba Aerospace Golf Tournament**

Larters Golf and Country Club, St. Andrews

September 15, 2016

### **Girls in Aviation Day 2016**

Royal Aviation Museum of Western Canada

September 24, 2016

### **Canadian Space Society Summit**

Inn at the Forks, Winnipeg

November 13-15, 2016

### **Canadian Aerospace Summit**

Ottawa, Ontario

November 15-16, 2016

### **Manitoba Aerospace All-Stars Awards Gala**

Victoria Inn, Winnipeg

November 20, 2016