

 **WESTERN
AEROSPACE EXPO**

Green
Growing
Global



MAY 6-8, 2013 • WINNIPEG, CANADA



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Greetings from the Honourable Lynne Yelich

Minister of State for Western Economic Diversification

It is with great pleasure that I extend greetings on behalf of the Harper Government to the 2013 Western Aerospace Expo. This is a valuable forum which enables participants to focus on key issues, exchange information and connect with others in the aerospace industry.

The western Canadian aerospace industry is a competitive and vibrant sector, aided by Canada's solid research and development infrastructure, that employs nearly 27,000 people, generates more than \$3 billion in annual revenues, and contributes more than \$2.5 billion to Canada's Gross Domestic Product.

Since 2006, Western Economic Diversification Canada (WD) has supported more than 30 aerospace sector projects that are creating jobs, improving business productivity, strengthening skills development and fostering innovation.

In addition, WD assists western Canadian SMEs in accessing Industrial Regional Benefits (IRB) opportunities and works diligently to position western Canadian companies as suppliers of choice. We also play a key role in connecting western businesses with the manufacturers and lead contractors on federal procurements.

Our Government is committed to helping strengthen the innovation capacity of aerospace firms and enhancing Canada's competitive position in the global market by increasing our manufacturing productivity, investing in research to test and produce cutting-edge technology, and supporting opportunities for Canadians to develop necessary skills and expertise.

I hope you find the next three days at the Expo an enjoyable, engaging and informative experience.

Together, we are building a stronger West for a stronger Canada.

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2013 Western Aerospace Expo

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A message from the Premier of Manitoba

On behalf of the government and people of Manitoba, I am happy to welcome everyone to Winnipeg for the 2013 Western Aerospace Expo, the fourth expo hosted by the Manitoba Aerospace Association since 2001.

Manitoba's state-of-the-art aerospace industry is the largest in Western Canada, employing more than 5,000 people. We are home to a diversified cluster of world-class manufacturing, repair and overhaul, and service firms. Over the next twenty years, as the world's major commercial aircraft manufacturers' estimate unprecedented demand for new technology, Manitoba aerospace companies are expected to not only meet these competitive challenges, but to prosper from the new emerging opportunities.

We hope you'll get to combine work with play and enjoy some of our Manitoba sights, tastes, and sounds during your time at the conference!

Greg Selinger

The Government of Manitoba is committed to ensuring that the men and women who comprise our workforce receive the advanced education and training qualifications required by our industry. I am proud of the work being done in our Province by the aerospace sector and am confident that the future will bring even more activity.

I would like to thank the Canada West Aerospace and Defence Industries Association and the Manitoba Aerospace Association for bringing this important expo to Manitoba this year. And to all of our visitors from across Canada and the world, we are happy to welcome you to our prairie capital.

Manitoba 

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A World Centre for *Cold Weather Testing*

In the HEART OF CANADA lies the beautiful province of Manitoba. Stretching from the northern United States border to the shores of Hudson Bay at the Arctic's edge, Manitoba is ideal for cold weather and winter testing. The aerospace and automotive industries as well as equipment manufacturers and suppliers can be assured their equipment will be tested in cold weather, snow and ice.

We are known as "Friendly Manitoba" so call us and we'll help you and your company get started in the cold.



General Electric Research & Development Test Centre located at the James Richardson International Airport in Winnipeg, Manitoba. The facility is operated by StandardAero.



The Global Aerospace Centre for Icing and Environmental Research (GLACIER) facility and the not-for-profit Environmental Test, Research and Education Center (EnviroTREC) in Thompson Manitoba. A state-of-the-art cold weather testing and research facility.



CONTACT:

Robert Manson
Entrepreneurship, Training and Trade
Government of Manitoba
T: 204-945-2475
E: robert.manson@gov.mb.ca
W: www.investinmanitoba.ca



“Come chill with us!”

Green - Growing - Global

Kevin Bartelson
President, Manitoba Aerospace Association
President, Boeing Canada Operations Ltd., General Manager, Boeing Winnipeg



Welcome!

On behalf of all of our member companies and sponsors, I want to welcome you to the 2013 Western Aerospace Expo. This year's Expo titled "Green - Growing - Global" has a dynamic program that focuses on matters that are key to the growth and sustainability of the aerospace industry in Canada. We have assembled an interesting and diverse program that includes a powerhouse of industry leaders and experts to address subjects relating to Environment, Innovation and Technology.

I am confident that you will find this year's expo to be professionally rewarding, thought provoking and well worth the time you invested to be here. *Have a great Expo.*

Welcome to Winnipeg!

Ken Webb
Executive Director, Manitoba Aerospace Association



As the host for the 2013 Western Aerospace Expo, the Manitoba Aerospace Association is pleased to welcome you to Winnipeg.

In the wake of the strategic Emerson and Jenkins reviews, 2013 promises to be an exciting year of moving from reports to action. Indeed, Budget 2013 has already seen the federal government begin to respond to these key reports.

With this background, we have crafted an ambitious program to help us explore these recommendations and identify the Green-Growing and Global pathway ahead. After two days of workshops, keynotes and panels, we will finish with the Executive Power Panel, where aerospace CEOs and executives from across the West will share their insights and










opinions on where we are headed.

Business is a contact sport and we know that you are here to connect as well as to hear from the technical experts and business leaders. Networking opportunities are programmed throughout the Expo, to provide you with those important collaboration, business development and relationship building opportunities.

So thank you for joining us, and on behalf of all of us in the Canada West Aerospace and Defence Industries Associations, we hope you have a great show!

Visit the Trade Show – Connect and Network!

Exhibitors Include

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	Composites Innovation Centre
	Foreign Affairs and International Trade Canada
	Industry Canada
	Industrial Technology Centre
	Red River College - Stevenson Campus
Workplace Education Manitoba	

Conference Agenda

Monday, May 6

Time	Event
11:00 a.m. - 7:00 p.m.	Registration / Information The Hotel Fort Garry - 7th Floor 222 Broadway, Winnipeg LOCAL DELEGATES: If you have registered for pre-conference business program Options 2, 3, or 4 - you do not need to register at the hotel in advance. You have the choice to travel direct to the pre-conference program location or to join the shuttle service provided to/from the Fort Garry Hotel.

Option	PRE-CONFERENCE BUSINESS PROGRAMS
Option 1:	Business to Business - Supplier Opportunities on Land, Sea and Air Location: Fort Garry Hotel, Tache Room, Mezzanine Level Time: Registration/Continental Breakfast 7:30 a.m. (program 8:30 a.m. - 4:30 p.m.) Morning program concludes with networking lunch at 12:00 p.m. Afternoon program: Prearranged B2B meetings; innovation and commercialization presentations.
1:00 PM - BUSES DEPART FORT GARRY HOTEL FOR OPTIONS 2 – 4.	
Option 2:	Composites - What can you get and how do you get there? Location: Composites Innovation Centre, 158 Commerce Drive, Winnipeg Time: 1:30 p.m. - 4:30 p.m.
Option 3:	Productivity Boosting Technologies - What and How? Location: Industrial Technology Centre, 200-78 Innovation Drive, Winnipeg Time: 1:30 p.m. - 4:30 p.m.
Option 4:	Sparks and Mirrors - at the Red River College/StandardAero CATT facility Location: Centre for Aerospace Technology and Training (CATT), 1885 Sargent Avenue, Winnipeg Time: 1:30 p.m. - 4:30 p.m.
Option 5:	GE Aviation Engine Testing, Research and Development Centre (TRDC) - Environmental testing & certification facility tour Location: TRDC, James Richardson International Airport Time: 1:00 p.m. - security clearance – lobby, Fort Garry Hotel 1:30 p.m. - bus departs 2:00 p.m. - 4:00 pm - tour / return to hotel *Registrants must have government issued photo identification. Cameras are not permitted.

OPENING RECEPTION

Tee Off with the Pro's You won't want to miss this exclusive networking event at the Winnipeg's finest indoor golf facility. Featuring one-on-one lessons with four leading Manitoba golf pro's , some friendly competition, prizes and much more! Location: The Golf Dome, 1205 Wilkes Avenue, Winnipeg Time: 5:00 p.m. - 8:00 p.m. 4:30 p.m. - 8:00 p.m. - Bus shuttles to/from The Fort Garry Hotel Local Delegates: You are not required to register in advance at the hotel. You are welcome to go direct to Golf Dome.
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Conference Agenda

Tuesday, May 7

Time	Speaker	Session
7:15 a.m. - 8:00 a.m.		Registration / Information 7th Floor Loggia, Fort Garry Hotel
7:15 a.m. - 8:00 a.m.		Hot breakfast served
9:45 a.m. - 6:30 p.m.		Trade Show Open - Concert Ballroom, 7 th Floor
8:00 a.m.	Premier Greg Selinger	Opening Greeting
8:10 a.m. - 8:40 a.m.	Aerospace in the West	Updates from the Provinces
8:40 a.m. - 9:00 a.m.	Jim Quick President and CEO, Aerospace Industries Association of Canada	Aerospace in Canada - National Aerospace Perspectives from AIAC
9:00 a.m. - 9:45 a.m.	Martin Vézina Partner, Global R & D and Government Incentives, National Leader - Government Incentives & Aerospace & Defense Industry Sector Deloitte & Touche LLP	Future Outlook in Aerospace
9:45 a.m. - 10:15 a.m.		Trade Show / Networking / Refreshment Break
10:15 a.m. - 11:00 a.m.	Sylvain Cofsky Executive Director, GARDN - Green Aviation Research & Development Network Stephen Emmert Regional Director, Biofuel Strategy, Boeing Commercial Airplanes	Environmental Trends in Aerospace Aviation & Sustainable Biofuels
11:00 a.m. - 11:45 a.m.	Dr. Dale R Carlson General Manager, Technology Strategy GE Aviation	Aero Propulsion Systems for the 21st Century
11:45 a.m. - 12:15 p.m.		Trade Show / Networking
12:15 p.m. - 1:15 p.m.		Lunch Served
	Business Stream - Club Room, Lower Level	Technical Stream - Crystal Ballroom, 7th Floor
1:15 p.m. - 2:15 p.m.	HR Best Practices: Responding to Recommendation 15 of the Emerson Review: Panel Darrell Cole Founder and CEO, Career Trek Randy Herrmann Director, Engineering Access Program, University of Manitoba Nusraat Masood Program Administrator, WISE Kid-Netic Energy Beverlie Stuart Executive Coordinator, Minister's Advisory Council on Workforce Development, Entrepreneurship, Training and Trade (Moderator)	Additive Manufacturing - Taken to Unseen Heights James Janeteas President, Cimetrix Solutions Inc.
2:15 p.m. - 3:15 p.m.	Doing Business in China: No matter the size of your company - China will matter to you - sometime soon Brad Bourne Chief Executive Officer Firan Technology Group Corporation Jack Yong Partner, Gowlings Laurie Anne King Trade Commissioner at Department of Foreign Affairs and International Trade	Machining Muscle-Building: Intelligence and Insights for Precision Machining SME's Rod Jones Executive Director Ontario Aerospace Council
3:15 p.m. - 3:45 p.m.		Trade Show / Networking / Refreshment Break

Conference Agenda

	Business Stream (cont.)	Technical Stream (cont.)
3:45 p.m. - 4:45 p.m.	Developing Global Supply Chains: Doing Business with Tier 1's and Emerging Markets Jim Walters Commercial Director AeroDNA Ltd	Roadmaps or Pathways for Skill Development: Building on Emerging Technologies Fred Doern Research Chair - School of Transportation, Aviation, and Manufacturing Red River College
4:45 p.m. - 6:30 p.m.	Reception / Trade Show / Networking	
6:30 p.m.	Dinner	

Wednesday, May 8

Time	Speaker	Session
7:15 a.m. - 8:00 a.m.		Breakfast / Trade Show
7:15 a.m. - 12:00 p.m.		Trade Show Open - Concert Ballroom, 7 th Floor
8:00 a.m. - 8:40 a.m.	Brian Gear Director General, Aerospace, Defence and Marine Branch, Industry Canada	Industry Canada Update
8:40 a.m. - 9:20 a.m.	Fassi Kafyeke Director, Strategic Technology Bombardier Aerospace	Innovations in Aerospace Technologies
9:20 a.m. - 10:00 a.m.	Dr. Ian Potter Vice-President, Engineering and Business Management National Research Council Canada	NRC Aerospace Program Update
10:00 a.m. - 10:30 a.m.		Trade Show / Networking / Refreshment Break
10:30 a.m. - 12:00 p.m.	Kevin Bartelson President, Boeing Canada Operation Ltd., General Manager, Boeing Winnipeg David Schellenberg President & Chief Executive Officer, Conair Group Inc. David O'Connor Division Manager, Defence and Space Products, Magellan Aerospace Kim Olson Senior Vice President, Helicopters, Energy and Engineering, StandardAero Mark Noete Vice President of Test, Aerospace and Defence, SED, a Division of Calian Ltd. David C. Curtis President & Chief Executive Officer, Viking Air Jonathan Beddoes Dean of Engineering, University of Manitoba (Moderator)	Executive Power Panel: Strategic Perspectives from Aerospace Leaders
12:00 p.m.		Closing Remarks and Networking Lunch

*Program subject to change

Your Host – Manitoba Aerospace

Manitoba Aerospace is comprised of two organizations: **Manitoba Aerospace Association Inc. (MAA)**; and, **Manitoba Aerospace Human Resources Council (MAHRC)**, working together to promote the growth and development of the aerospace industry in Manitoba. MAA works to connect the industry to the national and global markets, while MAHRC is an industry-driven, government-supported sector council aimed at

developing a world-class workforce to meet industry's needs through partnerships with Manitoba educational institutions and other key stakeholders. MAHRC delivers innovative solutions to upgrade skills; address labour shortage challenges; and foster continuous improvement and enhanced competitiveness. MAHRC also delivers the "learner to world class" Competitive Edge Supplier Development (CESD) program.



For more information about Manitoba Aerospace visit www.manitoba-aerospace.mb.ca



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Speaker Bios

(in order of appearance)



Martin Vézina

**Partner, Global R & D and Government Incentives,
National Leader - Government Incentives & Aerospace & Defense Industry Sector
Deloitte & Touche LLP**

Martin Vézina is a tax partner for Global R&D and government incentives practice in our Montreal office. He leads our national government incentives practice as well as our national Aerospace & Defense industry sector. Martin graduated from Université Laval in Business Administration. He started his career at Deloitte in 1995 as an auditor. He has been part of our R&D group for more than 14 years and in our tax practice for more than 16 years. As a CA, he completed the CICA In-Depth Tax Course where he has also been a tutor. As the national leader of our Aerospace & Defense industry sector, Martin assists our partners with industry matters. With his tax background, Martin assists companies with their tax structure and other tax matters related to their investment in Canada. Martin has considerable experience in tax and non-tax incentives related to technology, investment and job creation. Martin advises its clients, both private and public, in terms of tax planning, management of intellectual and tax and non-tax incentives optimization.



Sylvain Cofsky

**Executive Director
Green Aviation Research and Development Network (GARDN)**

Sylvain Cofsky joined GARDN in August 2009 as Network Manager and became its Executive Director in May 2011. Previously, he was with the Canadian Space Agency as Innovation and Research Advisor for the Life and Physical Sciences. Between 2003 and 2008, he has been involved with NanoQuebec, an organization created by the Canadian and Quebec governments for the development of the nanotechnology sector in Quebec, for which he has been its Director General. He has also worked for more than 10 years in France, where he held different positions related to the economic development strategies. Mr. Cofsky obtained his undergraduate degree from HEC Montreal in 1990 and a Masters degree in Science from Université de Montréal in 1993.



Stephen Emmert

**Regional Director - Biofuel Strategy
Boeing Commercial Airplanes**

Stephen is regional director of Biofuels Strategy for China and North America. He develops action plans for acceleration of biofuels in these regions, and manages their execution. He also provides business and technical advice to biofuel supply chain constituents including airline customers, feedstock developers and biofuel processors. Prior to Boeing, Stephen worked as a consultant for BCG, as an analyst in the power sector, and spent two years in Nanjing China building a petrochemical refinery. He has a BA from Wake Forest University and an MBA from Northwestern University's Kellogg School of Management.



Dr. Dale Carlson

**General Manager, Technology Strategy
GE Aviation**

Dr. Dale Carlson is the general manager of Technology Strategy for GE Aviation. Drawing from his extensive experience leading the strategic alignment of technology maturation for GE Aviation, Dr. Carlson demonstrates our propulsion technology advantages to customers worldwide. He represents GE on the U.S. Department of Defense VAATE (Versatile Affordable Advanced Turbine Engine) Steering Committee and his organization has responsibility for cutting edge technology demonstrator programs such as the AFRL ADVENT and HEETE programs, the DARPA VULCAN program, NASA's RTAPS and FAA's CLEEN programs and has active programs in such areas such as thermal management, CMC (Ceramic Matrix Composite) development, and PHM (Prognostics and Health Management). Dr. Carlson has a PhD from the Massachusetts Institute of Technology in Aeronautics and Astronautics, specializing in CFD (Computational Fluid Mechanics).

Speaker Bios

BUSINESS STREAM – 1:15 p.m.

HR Best Practices: Responding to Recommendation 15 of the Emerson Review - Panel



Darrell Cole
Founder and CEO, Career Trek

Darrell Cole is the Founder and current Chief Executive Officer of Career Trek Incorporated, a not-for-profit organization based in Winnipeg, Manitoba. Career Trek's work is dedicated to helping young Manitobans achieve their educational, career and life potential through the provision of its unique holistic and experiential programming.



Randy Herrmann
Director
Engineering Access Program, University of Manitoba

Randy is the Director of the Engineering Access Program (ENGAP) at the University of Manitoba. He graduated from the University of Manitoba in 1988 with a Bachelor of Science Degree in Geological Engineering. He is a member of the Association of Professional Engineers and Geoscientists of Manitoba and the Professional Engineers of Ontario, as well as the Manitoba Metis Federation. Over the years Randy's work with First Nation communities and within the engineering field has shown him the lack of engineers of Aboriginal ancestry and the obstacles faced by native students to obtain a degree. His desire to help change these factors and make it easier for Aboriginal students to pursue an Engineering Degree has led him to become Director of ENGAP, a position he has held since 1998.



Nusraat Masood
Program Administrator, WISE Kid-Netic Energy

Nusraat Masood got her Bachelors and Master's degrees in Electrical and Computer Engineering at the University of Manitoba. For her Masters, she designed and fabricated a working Lab-on-a-Chip device at the Nano Systems Fabrication Laboratory. She was previously working for a start-up company in Ottawa called OneChip Photonics but has recently returned to Winnipeg to run the science and engineering outreach non-profit WISE Kid-Netic Energy.



Beverlie Stuart (Moderator)
Executive Coordinator
Minister's Advisory Council on Workforce Development, Entrepreneurship, Training and Trade

Beverlie Stuart believes that it takes a community to raise a worker. She is a passionate champion of Manitoba's career and workforce development movement and has spent much of her career coaching and assisting others to realize and achieve their career goals. She was the Founding Chair and Executive Director of the Alliance of Manitoba Sector Councils and just last year joined the Department of Entrepreneurship, Training and Trade as the Executive Coordinator to the Minister's Advisory Council on Workforce Development.

TECHNICAL STREAM – 1:15 p.m.

Additive Manufacturing: Taken to Unseen Heights



James Janeteas
President, Cimetrix Solutions Inc.

James Janeteas is the founder and President of Cimetrix Solutions Inc. For the past 25 years, James has been engaged in the design, engineering and manufacturing sectors within a variety of verticals – consumer products, medical devices, automotive and aerospace to name a few. With his comprehensive manufacturing background, James is an Additive Manufacturing industry authority, providing recommendations on how to best leverage Additive Manufacturing to dramatically impact product development, manufacturing processes and the bottom line.

Speaker Bios

BUSINESS STREAM - 2:15 p.m.

Doing Business in China: No matter the size of your company - China will matter to you - sometime soon - Panel



Brad Bourne
Chief Executive Officer
Firan Technology Group Corporation

Brad Bourne has been the Chief Executive Officer of Firan Technology Group Corporation (FTG) since January 9, 2004. Mr. Bourne has led FTG through a period of expansion that doubled the size of the company, expanded operations into the US and China and moved the company into higher levels of technology. Prior to joining FTG, Mr. Bourne spent 17 years at Spar Aerospace Limited in increasingly senior roles. He holds a degree in Mechanical Engineering from the University of Toronto and a Masters in Business Administration from the Ivey School of Business. Firan Technology Group is a leading North American manufacturer of high technology printed circuit boards and precision illuminated display systems for the Aerospace market.



Jack Yong
Partner, Gowlings

Jack Yong is a partner in Gowlings' Vancouver office, practicing corporate and commercial law. He is an executive committee member of the firm's China Initiative and co-chair of its Technology Industry Group in Vancouver. Jack has experience in mergers and acquisitions, corporate reorganizations, financings, partnerships and joint ventures across a range of industries, including technology, software, clean technology, manufacturing, professional services, real estate, resources and forestry. He has assisted many clients from outside Canada to invest, acquire assets and enter other types of commercial transactions in Canada. He has also advised Canadian companies in structuring, negotiating and documenting business transactions outside of Canada. In 2011, Jack was seconded as Canadian counsel to a leading law firm in China where he spent three months in Beijing working with the firm's cross-border transactions team. Jack is proficient in written Chinese and spoken Mandarin and Cantonese.



Laurie Anne King
Trade Commissioner at Department of Foreign Affairs and International Trade

Laurie Anne King is the China Business Development lead for the Aerospace sector at the Department of Foreign Affairs and International Trade. Previously, Laurie Anne was a Permit Officer in DFAIT's Export Controls Division and she held several analyst positions at the Canadian Transportation Agency. Before joining government, Laurie Anne owned a Travel Agency for 10 years. She has a degree in Psychology from Carleton University, studied Commerce at St. Mary's University and received a diploma in Tourism from Algonquin College.

TECHNICAL STREAM - 2:15 p.m.

Machining Muscle-Building: Intelligence and Insights for Precision Machining SME's



Rod Jones
Executive Director
Ontario Aerospace Council

Rod Jones is Executive Director of the Ontario Aerospace Council (OAC). He is an experienced executive whose expertise is focused in strategic management, general management, business development, and marketing. In the aerospace industry, he has broad knowledge and strategic insight developed through general management of aerospace SMEs and active leadership in industry associations and related organizations at the national and provincial levels. He was instrumental in the creation and development of the OAC, Ontario's aerospace sector organization. Rod is a Director of the Aerospace Industries Association of Canada, and serves on the Advisory Board for the Ryerson Institute for Aerospace Design and Innovation (RIADI).

Speaker Bios

BUSINESS STREAM – 3:45 p.m.

Developing Global Supply Chains: Doing Business with Tier 1's and Emerging Markets



Jim Walters
Commercial Director
AeroDNA Ltd

A mechanical and production engineer for over 30 years, owner – manager of two UK engineering services companies for over 20 years, Jim has subsequently held senior roles in both UK and US based aerospace manufacturing companies gaining valuable experience in advanced manufacturing and supply chain development, particularly in emerging markets such as India, The Middle East and China. Jim became Commercial Director for AeroDNA Ltd in 2011. AeroDNA Ltd supports ambitious companies to establish world class aerospace infrastructure in western and emerging market supply chains via leadership, business planning, technology transfer, joint ventures, acquisitions and full turnkey industrialisation projects.

TECHNICAL STREAM – 3:45 p.m.

Roadmaps or Pathways for Skill Development: Building on Emerging Technologies



Fred Doern
Research Chair - School of Transportation, Aviation, and Manufacturing
Red River College

Mr. Doern is the Research Chair for the School of Transportation, Aviation, and Manufacturing at Red River College in Winnipeg, Manitoba, Canada. Prior to joining the College in 2003, he spent 30 years in applied research and business development positions within the Canadian nuclear research and medical device industries. Mr. Doern is an author or co-author in a number of papers on electron beam microanalysis and characterization of materials, and in the commercialization of novel spectroscopic techniques.

END OF BUSINESS AND TECHNICAL STREAM SPEAKERS



Brian Gear
Director General, Aerospace, Defence and Marine Branch
Industry Canada

Since August 2010, Brian Gear has been Director General of Aerospace, Defence and Marine Branch at Industry Canada in Ottawa, Ontario. His main responsibilities include providing sectoral analysis and policy advice for the aerospace, defence, marine, and space sectors, as well as the design and administration of Canada's Industrial and Regional Benefits policy (offset policy for military procurement). Prior to joining Industry Canada, Mr. Gear was Director General of Policy Coordination at the Department of National Defence (DND) where he was responsible for providing support and advice to the Minister of National Defence and DND and Canadian Forces senior officials in all Cabinet and Parliament related issues. Mr. Gear also held various positions in the Privy Council Office from 2002 to 2008, his last position being Director of Operations of the Cabinet Committee on Operations. He started his public service career in Agriculture and Agri-Food Canada holding several positions in strategic policy and trade policy.



Fassi Kafyeke
Director, Strategic Technology
Bombardier Aerospace

Fassi Kafyeke joined Bombardier Aerospace in 1982. In 1996, he became Manager of Advanced Aerodynamics. As Chief Aerodynamicist, he was in charge of aerodynamic design and development wind tunnel testing for all Bombardier Jets (Global Express, CRJ-700, 900 and 1000, Challenger 300, C-Series). In 2007, he became Director of Strategic Technology, responsible for Engineering Research and Development and Design for Environment. He is a member of the board of GARDN (the Green Aviation Research and Development Network) and chairman of the board of the SA2GE consortium (Systèmes Aéronautiques d'Avant Garde pour l'Environnement) set up in Québec to run demonstration projects for green aircraft technologies. He holds an Aerospace Engineering Degree (1980, Liege, Belgium), M.Sc. Air Transport Engineering (1981, Cranfield, UK) and PhD Mechanical Engineering (Aerodynamics, 1994, École Polytechnique de Montréal, Canada).

Speaker Bios



Dr. Ian Potter
Vice-President, Engineering
National Research Council Canada

Dr. Ian Potter was appointed NRC's Vice President, Engineering in May 2011 and is also Vice President responsible for NRC's Business Management Support. Prior to his appointment, Dr. Potter was Chief Operating Officer at Alberta Innovates – Technology Futures (AITF). During his 10 years at AITF and its predecessor, the Alberta Research Council (ARC), Dr. Potter held several leadership and management positions in energy, environment, greenhouse gas technology and human resources. Before joining ARC, Dr. Potter was a senior research engineer with C-FER Technologies of Edmonton and served as an officer in the British Royal Navy. He was also an assistant professor of mechanical engineering at the University of Calgary and a marine engineering officer with Shell Tankers (U.K.). Dr. Potter currently serves as First Vice-Chairman of the Canadian Association for the World Petroleum Council. He has served as Chairman of the Board for the Canadian Centre for Unmanned Vehicles Systems, board member and Chair of the Finance and Audit Committee for the Petroleum Technology Alliance Canada and board member for C-FER Technologies Inc.

EXECUTIVE POWER PANEL



Kevin Bartelson
General Manager
President, Boeing Canada Operations Ltd., General Manager, Boeing Winnipeg

Kevin Bartelson is general manager for Boeing Canada Operations in Winnipeg, Manitoba. He is responsible for leading Canada's largest aerospace composite manufacturer – the country's third largest aerospace facility. From February 2011 to his current appointment in October 2011, Bartelson served as director of manufacturing and quality for Boeing Canada. Previously, Bartelson was president and chief executive officer of Aviation Fleet Solutions, an aerospace company responsible for development and certification of performance modifications for MD-80 aircraft. Bartelson started his career with The Boeing Company in 1979, working in the tool engineering department. He also worked on the B2 Program, managed several technology projects, led the Boeing Commercial Airplanes Lean Office, and ran various business units in Everett and Renton, Wash., before he took on a leadership role at a Boeing joint venture known as Aviation Partners Boeing. This joint venture designs, certifies, builds and markets winglets for Boeing aircraft.



David Schellenberg
President & Chief Executive Officer
Conair Group Inc.

David joined Conair as CFO in 2000 and became President of its newly formed subsidiary, Cascade Aerospace Inc., at its inception in 2001. In 2007 he was appointed to his current role as President and CEO of Conair Group Inc. David's business background includes 10 years with the Jim Pattison Group where he served as a Managing Director in a senior financial role within the Corporate Office. He holds a B. Comm. (Hons.) from the University of Manitoba, an MBA from the University of Western Ontario and is a Chartered Accountant. He currently serves as the Past Chairman of the Aerospace Industries Association of Canada ("AIAC"). David served as Chairman of AIAC during 2012 and was heavily involved in the work of the Emerson Report. He currently is also Chair of the AIAC Technology & Innovation Workgroup. Conair Group Inc. is a world leader in providing innovative, exceptional aerial suppression and fire fighting services to its customers and their communities. Conair owns and operates 60 aircraft in fire fighting roles and is based in Abbotsford, B.C. with operations in Canada, the United States and France.



David O'Connor
Division Manager, Defence and Space Products
Magellan Aerospace

Mr. David O'Connor holds the position of Division Manager, Defence and Space Products, Magellan Aerospace, Winnipeg. Mr. O'Connor has overall responsibility for the design, development, manufacture, and test for rocket propulsion and space systems, including small satellite buses, space station payloads, the CRV7 Rocket Weapon System, the Black Brant sounding rocket, and solid rocket boosters. Mr. O'Connor has held positions in Engineering, Business Development, and Operations at Magellan Aerospace, Winnipeg since 1985. He holds a Bachelor's degree in Mechanical Engineering from the University of Manitoba, and a Masters Degree in Business Administration from the University of Manitoba.

Speaker Bios



Kim Olson

Senior Vice President, Helicopters, Energy and Engineering StandardAero

Kim Olson is Senior Vice President, Helicopters, Energy and Engineering. In these leadership roles, Olson is responsible for the success of StandardAero's Helicopters and Energy sector and the company's technology development, engineering, and environmental functions. Olson joined Standard Aero in 1988 and has since held roles in engineering, quality, project management and strategy. In 1994, as the Director of Corporate Quality, he led the company through implementation of ISO standards and the development of a corporate Continuous Improvement process. In September 2001, Olson led the GE CF34™ Program implementation. In 2005 as the Senior Vice President, Technology, his team launched a technology venture, StandardAero Technology Services. In 2010, in addition to his Corporate Engineering role, he was appointed Sector Leader for the Helicopter and Energy Business Units. Olson holds a bachelor's degree in Mechanical Engineering and an MBA from the University of Manitoba.



Mark Noete

Vice President of Test, Aerospace and Defence SED, a Division of Calian Ltd.

Mark Noete is Vice President of Test, Aerospace and Defence at SED. Mark has been with SED for over 35 years working on a variety of satellite communications and defense applications including earth station monitor and control, satellite test systems, telemetry, tracking and control solutions and shipboard communication systems.



David C. Curtis

President & Chief Executive Officer Viking Air

David's aviation career started with commercial flight training in 1983 during which time he joined Viking. David holds various Pilot Certificates and is endorsed for all single engine land and seaplanes. At Viking, David has served in various capacities, ranging from Sales & Marketing to Vice President Operations and in 1991 was named President & CEO. Viking is a privately held company established in 1970 with its head office in Victoria, BC. Under David's leadership Viking has grown from a relatively small, MRO facility, to a multi-disciplinary aerospace manufacturer with operations in Victoria and Calgary with 2012 revenues expected to exceed \$ 120M. Employment currently stands at nearly 600. Through an acquisition from Bombardier in 2006, all of the Type Certificates and related product support activities for the de Havilland legacy fleet were transferred to Viking. In 2007 Viking proceeded with new production of the world renowned DHC-6 Twin Otter aircraft, called the Series 400. With launch orders exceeding 80 units representing an order book of over \$ 300M. Today, Viking is delivering one new Twin Otter every 15 business days and expects to increase this to one every 11 days over the coming months.



Jonathan Beddoes (Moderator)

Dean of Engineering University of Manitoba

Dr. Jonathan Beddoes, Ph.D., P.Eng., has an engineering career that includes industrial product and process development, research in industrial and government laboratories, as well as extensive experience in academia. Prior to joining the Faculty of Engineering at the U of M in 2011, for eighteen years he was a faculty member in the Department of Mechanical and Aerospace Engineering at Carleton University, Ottawa, including six years as Department Chair. He has taught engineering courses at all levels from first year to graduate studies. Before joining academia he worked at Pratt & Whitney Canada Inc., and Alcan Aluminium for ten years. His research interests have included high strength aluminum alloys for aircraft applications, casting and processing of aluminum for high value added sheet products, processing/recycling of Al-Si alloys, and high temperature materials for gas turbine applications. He is the (co-)author of more than 60 research papers, three patents and two books dealing with industrial processing of engineering materials.

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Conference Information

Melanie Rennie, Plan It Management Inc.
Telephone: 204-237-3464
E-mail: mrennie@mymts.net

Manitoba Aerospace Association

Ken Webb, Executive Director
Telephone: 204-799-7660
E-mail: kenwebb.maa@mymts.net

Visit www.manitoba-aerospace.mb.ca