



**PARTICIPANT'S
MANUAL**

INNOVATION

IN A SUSTAINABLE SUPPLY CHAIN:
A GLOBAL CHALLENGE



December 5 & 6, 2011
Palais des congrès de Montréal

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WORDS FROM THE MINISTERS



**THE HONOURABLE
CHRISTIAN
PARADIS**

**Minister of Industry
and Minister of State
(Agriculture)
Government
of Canada**

Congratulations to Aéro Montréal on its third Aerospace Innovation Forum.

This event demonstrates your industry's relentless pursuit of innovative solutions that bears one goal in mind — to ensure that Canada remains at the forefront of the global aerospace industry.

Our government shares this goal. We know that innovation in the aerospace sector generates extensive economic benefits for Canadians. This is why we continue to support Canada's economy with a balanced and prudent fiscal approach, while maintaining a keen focus on the long-term competitiveness of this job-creating sector.

Moving forward, the public and private sectors need to continue working together to ensure Canada's leadership position. There is no better time to collaborate and discuss how we will position Canada for long-term growth, competitiveness and success. Our collective approach will have a focused goal — to increase the Canadian aerospace industry's capacity to innovate and compete.

Aéro Montréal's MACH initiative is key in this regard. By helping optimize the performance of Quebec's supply chain, this initiative is facilitating relationships among customers and suppliers to the benefit of the industry across the region and beyond.

Indeed, from Pratt & Whitney Canada's global engine testing facility, to CAE's full-flight simulators, to Bombardier's game-changing CSeries and Héroux-Devtek's landing gear expertise, your members are no strangers to innovation.

On behalf of the Government of Canada, I extend my sincere wishes for continued success. All the best on a productive Aerospace Innovation Forum.

Thank you.

THE HONOURABLE CHRISTIAN PARADIS

**Minister of Industry and Minister of State (Agriculture)
Government of Canada**



SAM HAMAD

**Minister of Economic
Development,
Innovation and Export
Trade of Quebec
and Minister
responsible for the
Capitale-Nationale region
Government of Québec**

The aerospace industry plays a key role in the Québec economy. It generates annual revenues of nearly \$11 billion, employs almost 40,000 people, and comprises some 235 businesses that contribute to the global supply chain.

Representing 70% of Canadian aerospace research and development, this industry is at the forefront of R&D in Québec's manufacturing sector. In fact, Montreal is one of the world's three aerospace capitals. To maintain this enviable position in a highly competitive market, it is essential for industry players to join forces to create strategic partnerships and adopt an attitude that fosters innovation.

The aerospace industry is going through a period of significant technological and operational change. While maximizing its competitiveness, it must reduce the environmental impact of air transportation, which is a big challenge. For this reason the Québec government provides ongoing support to various industry initiatives. The ecological airplane, a major mobilization project in the 2010–2013 Québec Research and Innovation Strategy, is a good example.

The purpose of this project is to boost innovation by contractors in Québec's aerospace industry and to support the participation of SMEs and the research community in technology demonstration sub-projects. It will require about \$150 million over four years. These initiatives are designed to produce more efficient airplanes with a smaller ecological footprint and lower operating costs. The Québec government will invest \$70 million to augment an \$80 million investment from the industry.

On behalf of the Québec government, I welcome all the participants from in and outside Québec to the third Aerospace Innovation Forum.

SAM HAMAD

**Minister of Economic Development,
Innovation and Export Trade of Québec
and Minister responsible
for the Capitale-Nationale region
Government of Québec**

WORDS FROM THE COPRESIDENTS



SUZANNE M. BENOÎT

President
Aéro Montréal

Welcome to the third edition of the Aerospace Innovation Forum. The theme of this year's event is Innovation in a sustainable supply chain: a global challenge. In an increasingly competitive industry and in an international market with no borders, companies need to be innovative and efficient to join global supply chains, or remain part of them.

The aerospace industry holds a prominent place in the Quebec economy and represents an important sector in terms of job creation and number of participating companies. More than 40,000 people in Quebec work in the aerospace industry, in over 235 companies. These companies, of various sizes, together generate more than 55% of Canada's total aerospace production. They also invest 70% of total research and development spending in the country.

This year, the Forum is specifically targeting Quebec SMEs that need to be increasingly innovative, both in terms of production and management, in order to integrate into global supply chains and position themselves on aircraft programs of the future. SMEs will have to keep pace of changes and even possibly join forces to create leverage with major clients. Accordingly, Aéro Montreal set up the MACH initiative, a program designed to strengthen companies and the supply chain structure by promoting cooperation among customers and suppliers. It also aims to foster the implementation of strategies and projects that will help close gaps in integration capabilities in Quebec. Its overall objective is to develop a world-class supply chain.

In terms of major projects emerging from the industry, Aéro Montréal is proud to support the more ecological aircraft project. The project, called SA²GE, is part of what are called mobilization projects, initiatives proposed by the government as part of the Québec Research and Innovation Strategy 2010-2013 (QRIS). These projects aim to mobilize a large number of companies and researchers around promising technologies.

With this in mind, Aéro Montreal, Quebec's aerospace cluster, together with CRIAQ, Consortium for Aerospace Research and Innovation in Quebec, is once again supporting this event, highly anticipated by members of the aerospace industry. Aéro Montréal, which this year is celebrating its fifth anniversary, is proud to be holding this Innovation Forum and hopes that you will all benefit from the various meetings, plenary sessions and workshops created for you.



FRANÇOIS GAZA

President of Innovation Committee of Aéro Montréal
Vice President and Chief Engineer, Engineering, Bombardier Aerospace

Along with Ms. Suzanne M. Benoît, I would like to welcome you to the third edition of the Aerospace Innovation Forum, now a major industry event.

Companies must invest more than ever in research and development to maintain their ranking in a highly competitive world market. To position themselves for future aerospace programs and in the supply chains of MROs, Quebec companies must innovate on both the technological and managerial scale. To succeed, they must innovate at all levels of their organization, including product management, financial management, and human resources.

Consecrating the necessary resources to research requires strategic planning which takes short-term constraints into account. What's more, a firm must work innovation into its day-to-day activities, identifying the evolving needs of potential clients and stay abreast of new concepts that cater to those needs. The company must then develop those concepts in order to understand the security, functional and economic aspects and prove return on investment.

To preserve its competitive advantage, the Quebec aerospace industry must promote its distinctive competencies and ensure that innovation is at the heart of the concerns of the key players in the sector. The Forum will allow us to share our experiences with representatives from around the world and learn from their experiences.

It is therefore a pleasure for me to be co-president of the Forum. I am convinced these exchanges between participants in the B²B technological meetings, the workshops and plenary sessions will allow the SMEs and the large companies to discuss the needs of new technologies in an efficient and profitable manner for the entire industry and for the supply chain.

PROGRAM

MONDAY, DECEMBER 5		
7:30 a.m.	WELCOME - REGISTRATION (HALL 500) AND CONTINENTAL BREAKFAST (ROOM: 710A)	
8:30 a.m.	PLENARY – “WELCOMING REMARKS”	Suzanne M. Benoît , President, <i>Aéro Montréal</i> Clément Fortin , President and Chief Executive Officer, <i>CRIAQ</i> François Caza , President of the Innovation Committee, <i>Aéro Montréal</i> and Vice President and Chief Engineer, Engineering, <i>Bombardier Aerospace</i> Gilles Labbé , President of the Board, <i>Aéro Montréal</i> and President and Chief Executive Officer, <i>Héroux Devtek</i>
9:00 a.m.	PLENARY – “FORUM OPENING REMARKS”	Sam Hamad , Minister of Economic Development, Innovation and Export Trade of Quebec and Minister responsible for the Capitale-Nationale region, <i>Government of Quebec</i>
9:15 a.m.	PLENARY – “INNOVATION AND THE SUPPLY CHAIN : TRENDS AND OPPORTUNITIES”	Anthony L. Velocci Jr. , Editor-in-Chief, <i>Aviation Week & Space Technology</i>
9:30 a.m.	PLENARY – “INNOVATION IN THE BOMBARDIER GLOBAL FAMILY SUPPLY CHAIN”	Stéphane Leblanc , Vice President and General Manager, <i>Bombardier Global, Bombardier Aerospace</i>
10:00 a.m.	HEALTH BREAK IN THE TRADE SHOW	
10:30 a.m.	PLENARY – “TOWARDS THE FUTURE PLATFORMS: 787, A350, C SERIES AND BEYOND”	Edward Petkus , Director - Deputy Chief Project Engineer 787 Derivatives, <i>Boeing Commercial Airplanes, Boeing</i> Axel Flaig , Senior Vice-President CoC Flight Physics, <i>Engineering, Airbus</i> Rob Dewar , General Manager, <i>C Series, Bombardier Aerospace</i>
Noon	NETWORKING HEALTH BREAK IN THE TRADE SHOW	
12:30 p.m.	FIRST B2B TECHNOLOGY MEETING SESSIONS (pre-registration)	
12:30 p.m.	LUNCHEON CONFERENCE	The Honourable Christian Paradis , Minister of Industry and Minister of State (Agriculture), <i>Government of Canada</i>
2:00 p.m.	FIRST WORKSHOP SERIES	WORKSHOP 1: Collaboration to foster innovation across the supply chain – The research consortia Moderator: Clément Fortin , President and Chief Executive Officer, <i>CRIAQ</i> Michael L. Heil , President and Chief Executive Officer, <i>Ohio Aerospace Institute</i> Gary Waissi , Professor of Technology Management, <i>College of Technology and Innovation, Arizona State University, Aerospace and Defense Research Collaboratory</i> Jorge Gutiérrez de Velasco Rodríguez , President of the <i>UNAQ (Universido Nacional Aeronautica de Querétaro)</i> and Technical Coordinator of the <i>RIIAQ (Network of Research and Innovation in Aeronautics of Querétaro)</i> Tetsuo Kikuta , Innovation Specialist in Suply Chain Development, <i>Japan</i>
		WORKSHOP 2: All roads lead to innovation: How to foster innovation in enterprises Moderators: MarieChantal Chassé , President and Chief Executive Officer, <i>JMJ Aerospace</i> and André Bazergui , Special Advisor, <i>CRIAQ</i> Claude Lessard , President, <i>DELASTEK</i> Denys Lapointe , Vice-President, <i>Design & Innovation, BRP</i> Michel Carrier , Director Major Accounts, <i>Business Development Bank of Canada</i> Charles Gagnon , Director Technology business development, <i>IREQ, Groupe technologie, HYDRO-QUÉBEC</i>

2:00 p.m.	FIRST WORKSHOP SERIES (CONTINUED)	WORKSHOP 3: Canada-U.S. and European collaboration to strengthen competitiveness in the global supply chains Moderator: Richard Steffens , Minister Counselor for Commercial Affairs, <i>Embassy of the United States of America in Canada</i> Jim Quick , President and Chief Executive Officer, <i>Aerospace Industries Association of Canada</i> Fernando C. Jimenez , Vice President, International, <i>Arizona Commerce Authority</i> Charles Magnan , Director Business Development, <i>Mecachrome Canada</i>		ROOM: 512G
		WORKSHOP 4: Strategies and systems to improve the competitiveness of the supply chains Moderator: Isabelle Deschamps , Full Professor, Director of Graduate Programs in Innovation Management, <i>École de technologie supérieure</i> Mike Adami-Sampson , Vice-President Aerospace and Defense Solution, <i>Dassault Systems</i> Kader Berkane , Director, <i>Think Business Innovation</i> Raymond Machabee , Vice President Advisory Services Aerospace and Defense, <i>Mahindra Satyam</i>		ROOM: 512H
3:30 p.m.	HEALTH BREAK IN THE TRADE SHOW		ROOM: 710A	
4:00 p.m.	PLENARY – “INNOVATION CHALLENGES FOR TIER 1 PLAYERS: BETWEEN THE OEMS AND ITS OWN SUPPLY CHAIN”	Moderator: Anthony L. Velocci Jr. , Editor-in-chief, <i>Aviation Week & Space Technology</i> Patrick Champagne , Vice President, Cockpits and Systems Integration, <i>Esterline CMC Electronics</i> Chad Cundiff , Senior Director, Strategy and Aerospace Business Development, <i>Hamilton Sundstrand</i> Martin Brassard , Vice-President, General Manager, Landing Gear, <i>Heroux Devtek</i> Raphaël Duflos , Vice-President Chief Procurement Officers, <i>Aerolia filiale EADS</i>		ROOM: 710B
5:30 p.m.		NETWORKING COCKTAIL IN THE TRADE SHOW Room: 710A	SECOND B2B TECHNOLOGY MEETING SESSIONS (pre-registration) Room: 513DEF	HOW TO DO BUSINESS WITH BOMBARDIER Claire Auroi , Director, Supply Chain, <i>Bombardier Aerospace</i> Room: 512E
7:00 p.m.	DINNER CONFERENCE – “SOLAR IMPULSE: WINGS OF THE FUTURE”	Claude Michel , Senior Vice President, Head of Solvay – Solar Impulse Partnership, <i>Solvay</i>		

TUESDAY, DECEMBER 6

7:30 a.m.	CONTINENTAL BREAKFAST (HALL 500) AND THIRD B2B TECHNOLOGY MEETING SESSIONS (ROOMS: 513DEF)			
8:30 a.m.	PLENARY – “INNOVATION, CHALLENGES OF INTERNATIONAL GROUPS”	Maria Della Posta , Senior Vice President, Sales & Marketing, <i>Pratt & Whitney Canada</i> Giovanni Bertolone , Executive Vice President Operations, <i>Finmeccanica</i> Alain Coutrot , Deputy Director, Research and Technology, <i>SAFRAN</i> Ofer Klein , Director Research & Development, Aerospace Division, <i>Elbit Systems</i>		ROOM: 710B
10:00 a.m.		HEALTH BREAK IN THE TRADE SHOW		ROOM: 710A
10:30 a.m.	SECOND WORKSHOP SERIES	WORKSHOP 5: Support programs for innovation in the development of the supply chain Moderator: Hany Moustapha , Professor and Director, <i>AÉROÉTS, École de technologie supérieure</i> and Senior Research Fellow, <i>Pratt & Whitney Canada</i> Pierre Bourassa , Manager, <i>NSERC-Quebec</i> Bogdan Ciobanu , Director General, <i>National Research Council Canada Industrial Research Assistance Program (NRC-IRAP)</i> Roch Chouinard , Director, Strategic Aerospace and Defence Initiative (SADI) Program, Industrial Technologies Office, <i>Industry Canada</i> Christyne Tremblay , Deputy Minister <i>Ministère du Développement économique, de l'Innovation et de l'Exportation</i>		ROOM: 512E

10:30 a.m.	SECOND WORKSHOP SERIES (continued)	<p>WORKSHOP 6: Harmonization of innovation initiatives. The status in Québec, Ontario and Manitoba</p> <p>Moderator: Pascal Désilets, General Manager, <i>Centre des technologies en aérospatiale (CTA)</i></p> <p>Philippe Hoste, Chief Executive Officer, <i>Sonaca Montréal</i> and President of the Supply Chain Committee, <i>Aéro Montréal</i></p> <p>Rod Jones, Executive Director, <i>Ontario Aerospace Council</i></p> <p>Wendell C. Wiebe, Executive director and General Manager, <i>Manitoba Aerospace Association</i></p>	ROOM: 512F
		<p>WORKSHOP 7: SMEs and Innovation: Success stories</p> <p>Moderator: Pierre Dicaire, Director, <i>Aerospace Manufacturing Technology Centre – NRC</i></p> <p>Graeme G. Keeping, Chief Executive Officer, <i>IsoGrid Composites Canada</i></p> <p>Gail Comeau, Engineer, Cathode production, Quality assurance, <i>Soudure JM Tremblay</i></p> <p>Clémentine Gallet, Chief Executive Officer, <i>Coriolis Composites SAS</i></p> <p>Pierre-Olivier Therrien, Supervisor, Manufacturing Engineering Expertise Centre, <i>Bombardier Aerospace</i></p>	ROOM: 512G
12:00 p.m.	LUNCHEON – "BELL HELICOPTER: CHANGING THE WAY THE WORLD FLIES"	Barry Kohler , President, <i>Bell Helicopter Textron Canada</i>	ROOM: 710B
1:30 p.m.	THIRD WORKSHOP SERIES	<p>WORKSHOP 8: End of life management of aircraft – Presentation of the main aircraft recycling initiatives globally</p> <p>Moderator: Valérie Bécaert, Executive Director, <i>CIRAIG</i></p> <p>Jean-Pierre Dubé, President, <i>JPD Conseil – Avianor Project</i></p> <p>Bruce Parry, Manager, Corporate Social Responsibility, <i>Bombardier Aerospace</i></p> <p>Olivier Malavallon, PAMELA-Life Project director, <i>Airbus SAS</i></p> <p>William Carberry, Deputy Director, Aircraft Fleet Recycling Association (AFRA) <i>Boeing</i></p>	ROOM: 512E
		<p>WORKSHOP 9: Green initiatives: Business opportunities for SMEs</p> <p>Moderator: Gilles Savard, Dean, Research and Innovation, <i>École Polytechnique de Montréal</i></p> <p>Sylvain Cofsky, Chief Executive Officer, <i>GARDN</i></p> <p>Clément Fortin, President and Chief Executive Officer, <i>CRIAQ</i></p> <p>Pierre Rioux, Manager, Research and Development, <i>Bell Helicopter Textron</i> and Member of the Board, <i>SA²GE</i></p>	ROOM: 512F
		<p>WORKSHOP 10: Collaboration to foster innovation across the supply chain – The research consortia EUROPE</p> <p>Moderator: Yves Lafortune, Directeur, direction Europe, <i>Ministère du Développement économique, de l'Innovation et de l'Exportation</i></p> <p>Thilo Schönfeld, Deputy Director International Affairs, <i>Aerospace Valley</i></p> <p>Michael Muth, Managing Director, <i>ASIS – AeroSpace Initiative Saxony</i></p> <p>Michal Pilecki, Project Manager, <i>Aviation Valley</i></p>	ROOM: 512G
3:00 p.m.	HEALTH BREAK IN THE TRADE SHOW		ROOM: 710A
3:30 p.m.	CONCLUSION	<p>François Caza, President of the Innovation Committee, <i>Aéro Montréal</i> and Vice President and Chief Engineer, <i>Bombardier Aerospace</i></p> <p>Suzanne M. Benoît, President, <i>Aéro Montréal</i></p>	ROOM: 710B
4:00 p.m.	END OF THE EVENT		

SPEAKERS **MONDAY** DECEMBER 5

8:30 a.m.

PLENARY
 "WELCOMING REMARKS" Room: 710B



SUZANNE M. BENOÎT

President
Aéro Montréal

In 2006, she took on the role of President of Aéro Montréal, the Quebec Aerospace Cluster. Prior to joining Aéro Montréal, she led Longueuil Economic Development Agency as its President and CEO, from the day of its foundation in 2002. From 1999 to 2002, she joined Investissement Québec as Director of the Americas Division leading the Foreign Investment team.

Between 1991 and 1999, she held various management positions in Technology and Governmental Affairs within Hydro-Québec. She began her career with the Federal Government in Ottawa at Industry Canada and Foreign Affairs and International Trade Canada.

Suzanne Benoît graduated with a Bachelor in Psychology and a Master of Business Administration (MBA) from the University of Ottawa

She sits on several boards of directors. She acted as the Chair of the International Affairs Committee for the Board of Trade of Metropolitan Montreal and more recently on the board of the Italian Chamber of Commerce in Canada, Conseil Emploi Métropole, CRIAQ, AQA, STIQ, IFA and SA²GE.



CLÉMENT FORTIN

President and Chief Executive Officer
CRIAQ

Clément Fortin has a Bachelor of Science from the University of Kingston, a Master of Science from the University of Toronto, and a Ph.D. from Queen's University.

He is President and CEO of CRIAQ since August 2010. He was Head of the Department of Mechanical Engineering at École Polytechnique de Montréal from 2005 to 2010 and a professor at the institution since 1987.

He served as a pilot in the Canadian Forces from 1975 to 1980 where he logged over 1,600 hours of flying time on jet trainers and fighters. Then he has founded Polyplan Technologies, a spin-off of Polyvalor and a leader in Manufacturing Process Management (MPM).

Clément Fortin is a member of l'Ordre des ingénieurs du Québec, of the American Society for Engineering Education, of the American Society of Mechanical Engineers and of the Design Society.



FRANÇOIS CAZA

President of the Innovation Committee, Aéro Montréal and Vice President and Chief Engineer, Engineering, Bombardier Aerospace

François Caza joined Bombardier Aerospace in 1984 where he held key positions in the Engineering and Product Development community.

As Vice-President and Chief Engineer, he leads and oversees technical expertise in the areas of Advanced Product Development, Strategic Technology, Experimental, Design, Material and Processes, Airworthiness, Systems and Flight Test covering the Montreal, Toronto, Wichita and Belfast sites.

As functional leader, he provides technical support to Bombardier Aerospace's Business Units while ensuring alignment of our product portfolio with the company's long term strategy.



GILLES LABBÉ

President of the Board, Aéro Montreal President and Chief Executive Officer Héroux Devtek

Gilles Labbé is a graduate of the École des Hautes Études Commerciales of the Université de Montréal. He has a Bachelor's degree in Business Administration and since 1980, he is chartered accountant.

He began his career at Arthur Andersen, a company specialized in the audit, tax and legal services and management consulting. Since then he has held several positions in senior management at Héroux-Devtek and he is President and CEO since 2000.

Héroux-Devtek serves two main market segments: Aerospace and Industrial Products. It has 9 plants in North America, is recognized as a Canadian leader and the 3rd leading supplier of landing gears in the world. Héroux-Devtek is a Canadian Public Company listed on the Toronto Stock Exchange since 1986, specializing in the design, development, manufacture and repair of related systems and components.

Gilles Labbé is a member of several boards of Directors including the AIAC, Aéro Montréal and CGI. He has received many awards including the Grand Prize of the Entrepreneur Ernst & Young, the Korn/Ferry for Excellence in Corporate Governance award, an Honorary Degree from the Collège Édouard-Montpetit and he was appointed CFA by l'Ordre des comptables agréés du Québec.

SPEAKERS

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SPEAKER

9:15

SPEAKER

9:30

SPEAKER

SPEAKERS **MONDAY DECEMBER 5**

9:00 a.m.

PLENARY "FORUM OPENING REMARKS" ROOM: 710B

SPEAKER



SAM HAMAD

**Minister Economic Development, Innovation and Export Trade of Québec and Minister responsible for the Capitale-Nationale region
Government of Québec**

An engineer by training, Sam Hamad has a Master's degree in civil engineering and in management. His career is a blend of business-related commitments and the missions undertaken by a number of organizations. Preceding the start of his political career, in 2003, he was senior vice-president at Roche Ltd. Consulting Group engineering firm.

He held successive roles as chair of the Chambre de commerce et d'industrie du Québec métropolitain and vice-chair of the Fédération des chambres de commerce du Québec. He also held many positions such as vice-president of Centraide-Québec (1999-2001) and he's been a member and president of many boards.

Elected MNA for Louis-Hébert in 2003 and re-elected in 2007 and 2008, he was Minister of Natural Resources, Wildlife and Parks, Minister of Employment and Social Solidarity, Minister of Labour and Minister of Transport as well as Minister responsible for the Capitale-nationale region, a position he was re-assigned in August 11, 2010. Since September 7, 2011, he is Minister of Economic Development, Innovation and Export Trade.

9:15 a.m.

PLENARY "INNOVATION AND THE SUPPLY CHAIN: TRENDS AND OPPORTUNITIES" Room: 710B

SPEAKER



ANTHONY L. VELOCCI JR.

**Editor-in-Chief
Aviation Week & Space Technology**

Anthony Velocci is a graduate of Syracuse University. He has been with the magazine for more than 22 years. Prior to joining Aviation Week, a McGraw-Hill Companies publication, he worked for a variety of other business, financial and defense-related periodicals.

He has received various awards, including the distinguished McGraw-Hill Corporate Achievement Award for Editorial Excellence and the Royal Aeronautical Society's Aerospace

Journalist of the Year award (2006 and 2002). He has appeared numerous times on network and cable television as a commentator on aerospace, defense and civil aviation topics. He has led or contributed to many international conferences and forums on innovation, competitiveness and cross-border collaboration, and he co-chairs an annual aerospace executive summit on critical aviation, aerospace and defense-related issues.

Anthony Velocci is a member of the Board of Directors of the National Aeronautic Assn. and a charter member of the Board of Advisors of the University of Tennessee's Aerospace MBA program.

9:30 a.m.

PLENARY "INNOVATION IN THE BOMBARDIER GLOBAL FAMILY SUPPLY CHAIN" Room: 710B

SPEAKER



STÉPHANE LEBLANC

**Vice President and General Manager
Bombardier Global, Bombardier Aerospace**

Stéphane Leblanc holds a bachelor's degree in Mechanical Engineering with a specialty in project management from École Polytechnique de Montréal and an MBA from H.E.C. Montréal.

He joined Bombardier Aerospace in 1991 as Program Analyst for the CRJ 200 program. He has since occupied management roles of increasing responsibility on a number of aircraft programs including the CRJ 200, CRJ 700, Challenger 300,

Challenger 604 and Challenger 605. In addition Mr. Leblanc was Director Methods and Vice President Business Processes and Six Sigma for Bombardier Aerospace.

He has extensive experience within the Global Business Unit, having held the position of Program Manager for the Global Express (1995-1996) and Director of Operations at the Global Completions Centre (2001 to 2003). In 2008, he was appointed Vice-President Global Completions Centre and he was appointed Vice President & General Manager, Global Programs in February 2011

SPEAKERS **MONDAY** DECEMBER 5

10:30 a.m. PLENARY "TOWARDS THE FUTURE PLATFORMS: 787, A350, CSERIES AND BEYOND" Room: 710B

SPEAKERS



EDWARD PETKUS

Director - Deputy Chief Project Engineer 787 Derivatives Boeing Commercial Airplanes, Boeing

Edward Petkus has a Bachelor's degree in Aerospace Engineering from the University of Michigan, a Master's degree in Aeronautical Engineering from the University of Washington and completed the Advanced Management Program at Harvard Business School.

He began his engineering career at the Naval Weapons Center as a research engineer in 1980. He moved to the Northrop Company as a development engineer in the Target Drone Division. He then joined the Science Application International Corporation as Division manager responsible for Defense and Space Development programs.

He joined Boeing in 1991 and held a variety of leadership roles over a span of 15 years, including director of Product Development for the 787 Program. He has served as Director and Deputy Chief Project Engineer for the 787 Derivatives Program since September 2010. In this role he assures the technical integrity and quality of engineering design, certification and safety of 787 derivatives. Prior to this Edward Petkus served as Vice president of Airplane Development and Engineering at Hawker Beechcraft Co. for three years.



AXEL FLAIG

Senior Vice President CoC Flight Physics, Engineering Airbus

Axel Flaig's career in Airbus spans 31 years. He started as a Flight Mechanics Specialist at VFW-FOKKER (now Airbus). He subsequently became a Senior Specialist in Low Speed Aerodynamics and was involved in the development of the A320, A321 and A330/A340 aircraft. He took the lead of the Aerodynamic Wind Tunnel Testing where he was heavily involved in the development of the A400M and the A380. He currently leads the Flight Physics Centre of Competence in the Airbus Engineering function. The Centre re-groups 850 staff under the technical disciplines of aerodynamics, loads, weights and flight dynamics, key areas for the overall design and development of Airbus aircraft.



ROB DEWAR

Vice President and General Manager, CSeries Bombardier Aerospace

Robert Dewar graduated from Montréal's McGill University with a degree in Engineering, specializing in Aerospace Structures and Combustion. He began his aviation career in 1986 holding key positions in both a product development capacity and sustaining program capacity for major aircraft manufacturers including Airbus Industries, Alenia, and Embraer.

He was appointed to his current position as Vice President, CSeries, Bombardier Commercial Aircraft in April 2010. He leads the teams responsible for the overall CSeries aircraft product development, design, and integration, as well as production, certification, delivery, quality, schedule and cost maintainability. His responsibilities also include the design and development of the CSeries Complete Integrated Aircraft Systems Test Area (CIASTA) and the design and build of the CSeries aircraft final assembly manufacturing centre in Mirabel, Canada.

Boasting a 20-year career with Bombardier Aerospace, Robert Dewar has held several key positions in engineering and in various product development programs most recently as Vice-President CSeries Integrated Product Development

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2:00

MODERATOR

12:30 a.m. LUNCHEON CONFERENCE Room: 710B

SPEAKER



THE HONOURABLE CHRISTIAN PARADIS

Minister of Industry and Minister of State (Agriculture), Government of Canada

Christian Paradis graduated from the Université de Sherbrooke in civil law and holds a graduate degree in corporate law from Université Laval. He was first elected to the House of Commons in 2006 and re-elected in 2008 and 2011 as Deputy of Mégantic-L'Érable (Québec) with the Conservative Party of Canada.

He was appointed Secretary of State (Agriculture) in January 2007, Minister of Public Works and Government Services in June 2008 and Minister of the Economic Development Agency of Canada for the Regions of Québec in October 2008. In January 2010, he was named Minister of Natural Resources in addition to his responsibilities for the Economic Development Agency of Canada for the Regions of Quebec. Prior to his election to Parliament, Mr. Paradis had a legal practice specializing in corporate law. He has been actively involved in several support groups and charitable organizations, including the Rotary Club of Thetford Mines.

SPEAKERS

SPEAKERS **MONDAY** DECEMBER 5

2:00 p.m.

WORKSHOP 1:

Collaboration to foster innovation across the supply chain – The research consortia Room: 512E

MODERATOR



CLÉMENT FORTIN

President and Chief Executive Officer Consortium for Research and Innovation in Aerospace in Québec (CRIAQ)

Clément Fortin has a Bachelor of Science from the University of Kingston, a Master of Science from the University of Toronto, and a Ph.D. from Queen's University.

He is President and CEO of CRIAQ since August 2010. He was Head of the Department of Mechanical Engineering at École Polytechnique de Montréal from 2005 to 2010 and a professor at the institution since 1987.

He served as a pilot in the Canadian Forces from 1975 to 1980 where he logged over 1,600 hours of flying time on jet trainers and fighters. Then he has founded Polyplan Technologies, a spin-off of Polyvalor and a leader in Manufacturing Process Management (MPM).

Clément Fortin is a member of l'Ordre des ingénieurs du Québec, of the American Society for Engineering Education, of the American Society of Mechanical Engineers and of the Design Society.



MICHAEL L. HEIL

President and Chief Executive Officer Ohio Aerospace Institute

Michael Heil was appointed President and CEO of the Ohio Aerospace Institute (OAI) in January, 2007. Prior to OAI, he had a distinguished career in the United States Air Force, retiring at the rank of Colonel in July 2005. A distinguished engineering graduate from the U.S. Air Force Academy, he was commissioned and immediately pursued his master's degree in flight structures at Columbia University. He received a doctorate in aerospace engineering from the Air Force Institute of Technology. His Air Force service includes engineering duties on the F-15 and program management on the C-17 and Advanced Cruise Missile. Michael was Deputy Director of the Astronautics Laboratory, Commander of the Phillips Laboratory and Arnold Engineering Development Center, Commandant of the Air Force Institute of Technology, and Special Assistant to the Commander of the Air Force Research Laboratory. He served in two Air Force acquisition centers, four defense laboratories, a test center, a major command staff, the Office of the Secretary of Defense, and the faculties of the Air Force Academy and Air Force Institute of Technology. As Director of the Air Force Research Laboratory's Propulsion Directorate, he oversaw facilities valued at more than \$2.1 billion and led the efforts of more than 1,000 scientists, engineers and staff.



GARY WAISSI

Professor of Technology Management College of Technology and Innovation, Arizona State University, Aerospace and Defense Research Collaboratory

Gary Waissi received his Ph.D. in Civil Engineering –Transportation, with a focus in Operations Research from the University of Michigan, a Licentiate of Engineering degree from the Helsinki University of Technology (now the Aalto University), Finland and his Master Degree in Civil Engineering from the Technische Universität Darmstadt, Germany.

His research interests include engineering systems, systems modeling and strategy. His current and immediate past research projects include: Development of a Standardized Strategy Framework for Arizona Aerospace SMEs (AZ MEP); Framework The Next Generation Manufacturing Study – Arizona Aerospace Supply Chain (AzMEP); and Aerospace & Defense Research Collaboratory: Virtual Mentor for Defense Acquisition Information Requirements (SFAz).

He has published many publications, research reports and software programs. He also has one electronic book Applied Statistical Modeling (AMS) and one patent. Gary Waissi has given several presentations at national and international conferences (INFORMS, SAE, CORS, EURO, DSI), and has served on numerous conference organizing committees globally.



JORGE GUTIÉRREZ DE VELASCO RODRÍGUEZ

President of the UNAQ (Universidad Nacional Aeronáutica de Querétaro) and Technical Coordinator of the RIIAQ (Network of Research and Innovation in Aeronautics of Querétaro)

Jorge Gutiérrez de Velasco Rodríguez is an electronic engineer with a Master Degree in Control and Automation processes. He is President and founder since 2007 of the Aeronautic University in Queretaro (UNAQ). It is the only institution in Mexico that embeds unique formation programs for manufacturing technicians, upper level technicians, engineers and researchers in accordance to aeronautic industry standards.

He was in charge of the conception of the educative, administrative and legal models for the creation of the UNAQ, and since he was appointed as President, he has established relationships with Canadian, US and European Companies and Institutions to strengthen educational activities at UNAQ. In 2010, he was appointed as Technical Coordinator of the Aerospace Research and Innovation Network in Queretaro (RIIAQ).

In 2005, as Vice-President at the Technological University of Queretaro, he was part of the team attracting aerospace investment to Queretaro. In January 2006, through the development of the training proposals, he became General Director of the Fast Track Training Program. Jorge Gutierrez de Velasco has dedicated 15 years of his career to the public service in education and he worked in embedded system designing for automation and measurements.



TETSUO KIKUTA

Innovation Specialist in Supply Chain Development Japan

Tetsuo (Ted) Kikuta has 40 years' experience in Japan's aerospace sector. From 1972 to 2001 he held various management positions with IHI JET Jet Engine Division including General Manager of Quality Assurance Department, Chief Auditor of Vendor Quality Control, Manager of Purchasing Department, Manager of Commercial Engine Project Group and Manager of Manufacturing Department at Mizuho Aero-Engine Plant.

From 2001 to 2008 he held executive positions with The Society of Japanese Aerospace Companies (SJAC) including Director of Japan International Aerospace Exhibition Office and Director of Advertising Department.

Since 2008 he has been utilizing his specialized knowledge and experience operating as an Aerospace Business Consultant – Japanese Aerospace Advisor. Most recently he has taken on the coordinating role for the JETRO Regional Industry Tie-up (RIT) Aerospace Exchange Program between Montreal and Hiroshima.

SPEAKERS

SPEAKERS **MONDAY DECEMBER 5**

2:00 a.m.

WORKSHOP 2:

All roads lead to innovation: How to foster innovation in enterprises Room: 512F

MODERATORS



MARIECHANTAL CHASSÉ

President and Chief Executive Officer
JMJ Aerospace

MarieChantal Chassé holds a degree in Materials Engineering with a Specialization in Entrepreneurial and Technological Innovation from École Polytechnique de Montréal. She holds 20 years of engineering experience, 15 of which are in the aerospace sector.

She works with aerospace and engineering institutions to implement innovative solutions for human resources management with the goal of reinforcing the supply chain and increasing aerospace companies' competitiveness. In 1996, she founds JMJ Aéronautique, today a world-renowned leader in the strategic outsourcing of human resources and integrated workforce management for the aerospace industry. The company distinguishes itself by its ability to manage its clients' resources planning, including deploying a world-class workforce, aligned with its quality system.

MarieChantal Chassé sits on the board of Aéro Montréal and is involved in numerous industry groups such as the Innovation and Supply Chain Development working group.



ANDRÉ BAZERGUI

Special Advisor
CRIAQ

André Bazergui is an Athlone Fellow, Ph.D. from the University of Sheffield, Associated with École Polytechnique de Montréal as graduate (Mechanical Engineering) and Director General and CEO.

He was the President and CEO of CRIAQ (Consortium for Research and Innovation in Aerospace in Quebec) from 2004 to 2010 and he is presently special advisor to the CEO.

He has been an active member of Innovitech Inc. and was involved in a number of strategic projects including the creation of CRIAQ in 2002. He co-chaired the Consulting Group on the Québec Strategy of Research and Innovation 2010-2013. He also co-chaired the Working Committee on the Management of Intellectual Property of the Québec Council for Science and Technology.

MODERATOR



CLAUDE LESSARD

President
DELASTEK

Claude Lessard obtained his degree at the Collège de Sherbrooke in the microelectronics field in 1982 and he has a Bachelor's degree in electrical engineering from the Université du Québec à Trois-Rivières. He is a member of the Order of engineers in the specialty of electronics engineering since 1987.

As an engineer intern, he developed in 1986 a new modular electrical system for pleasure boats. At the end of his studies at the Université du Québec à Trois-Rivières, he acquired Delastek and became President. The company has two plants in Québec and offers innovative, turn-key solutions to its customers in the Aerospace and Transportation industries and that integrate various technologies: injection of polyurethane, electrical, electro-mechanical, plastic or composite of high quality.

Claude Lessard promotes local subcontracting and the development of local suppliers. He is the President of the Committee of the R & D projects and a Member of the Board of Directors of CRIAQ. He is also a member of several associations such as the Chamber of commerce & industry of Shawinigan, the AMETVS and TRANSAL.



DENYS LAPOINTE

Vice President,
Design & Innovation
BRP

Denys Lapointe holds a bachelor's degree in Design from the Université du Québec à Montréal (1985).

A 26-year veteran of BRP, he is an experienced executive with an impressive track record in industrial design, specifically in transportation. He is a key player in helping position the company as a leader in the motorized recreational vehicles industry.

He and his team created the Can-Am® Spyder® roadster, the 3-wheeled vehicle that has challenged the current motorcycle paradigm since its launch in 2008. They received many trade awards, including over 30 international design awards such as red dot (Germany), IDEA (U.S.), IF (Germany) and Good Design (U.S.).

Denys Lapointe is an active member of the advisory board for the Center for Creative Studies in Detroit, and on the board of directors of the CTA (Centre de technologies avancées BRP - Université de Sherbrooke). He is also a member of several leading design associations, such as ICSID, IDSA, ACID and ADIQ.



MICHEL CARRIER

Director Major Accounts,
Business Development Bank
of Canada (BDC)

Michel Carrier has Bachelor degree in Business administration from Laval University. He is a seasoned manager with over 25 years of experience in lending, syndication and structured loans to small, medium and large corporations. He joined BDC in 2009 as Manager, Major Accounts and is part of a group of Managers dedicated to the financing of companies related to the aerospace industry.



CHARLES GAGNON

Director Technology
Business Development
IREQ, Groupe technologie,
HYDRO-QUÉBEC

Charles Gagnon academic background is in electrical engineering and computer science from Sherbrooke University as well as Management and Business Administration at McGill University. He has more than 25 years of experience in the field of power systems and research and development.

As Director of Technology Business Development at Hydro-Québec since 2000, he has been leading a fundamental culture change in innovation management by introducing the industry best practices and most recently, open innovation and co-development practices into Hydro-Québec's innovation processes. He is also responsible for managing all matters related to intellectual property, commercial licensing, royalties, innovation partnerships, economic analysis of innovation portfolios and innovation management processes.

Prior to this, he was Head of research for transmission and distribution technologies at Hydro-Québec's Research Institute (IREQ). Mr. Gagnon sits on the board of many innovation associations in Canada.

SPEAKERS

SPEAKERS

SPEAKERS **MONDAY DECEMBER 5**

2:00 p.m.

WORKSHOP: 3

Canada-U.S. and European collaboration to strengthen competitiveness in the global supply chains Room: 512G

MODERATOR



RICHARD STEFFENS

Minister Counselor for Commercial Affairs
Embassy of the United States of America in Canada

Richard Steffens is a graduate of the Wharton School and holds a Masters in Government Administration from the University of Pennsylvania.

In 2010, he began a four-year tour as Minister-Counselor for Commercial Affairs at U.S. Embassy in Ottawa. He is responsible for implementing the President's National Export Initiative in Canada, America's largest trading partner.

From 2006 to 2010, he served as Commercial Counselor at U.S. Embassy Kyiv (Ukraine). In the weeks after the Russia-Georgia war in August 2008, he served in Tbilisi, where he organized the first

U.S. trade mission to encourage U.S participation in Georgian reconstruction. For this work, his team was awarded a Silver Medal by the Secretary of Commerce. In 2010, President Obama nominated Mr. Steffens to be a member of the Senior Foreign Service.

From 2001 to 2005, he served as Senior Commercial Officer at the U.S. Embassy in Prague. He received a State Department Meritorious Honor Award and a U.S. Department of Commerce Gold Medal for his work in disaster relief during the floods that struck the Czech Republic. In 2004, as part of the Iraq Reconstruction Initiative, he organized and accompanied the first trade mission to Baghdad since the fall of Saddam Hussein.

Richard Steffens is author of *The Changing Software Market and Secrets of a Venture Capitalist* as well as more than 50 articles on high technology and international business.

SPEAKERS



JIM QUICK

President & Chief Executive Officer
Aerospace Industries Association of Canada

Jim Quick joined the AIAC as its President and CEO in June 2011. He came

to the AIAC with more than 10 years of experience as a leading association executive - working with governments as well as navigating political and business environments.

The AIAC is a not-for-profit organization advocating on aerospace policy issues that have a direct impact on aerospace companies and aerospace jobs in Canada. Through the network of member companies, the productive relationships with federal government departments and agencies, and the globe-spanning international contacts, the AIAC helps Canada's aerospace industry remain competitive.

Jim Quick is the recipient of the Queen Elizabeth II Golden Jubilee Medal awarded to Canadians who made a significant contribution to their fellow citizens, their community, and to Canada.



FERNANDO C. JIMENEZ

Vice President, International
Arizona Commerce Authority

Fernando C. Jimenez joined the Arizona

Department of Commerce in January 2001 as a Small Business Representative for the Small Business Assistance Center, assisting and counseling the public and small business owners in establishing, expanding and relocating in the state.

As Vice-President of International Trade and Investment, he assists small and medium sized Arizona companies with their exporting efforts and actively markets the state to foreign companies as a premier location for their U.S. expansion. In addition, he serves as staff to the CEO/President of the Arizona Commerce Authority for all Arizona/Mexico economic development cross border activity. He also oversees the Trade and Investment Offices in the Americas, located in Mexico and Canada as well as implements the overall state's promotion strategy around the world.

Fernando C. Jimenez is an active partner of the Arizona-Mexico Commission, member of the State International Development Organization, Arizona Association for Economic Development, Arizona District Export Council, the Governor's Coordinator for the Border Governors Conference Economic Development Work Table and the state liaison to the President's National Export Initiative.



CHARLES MAGNAN

Director Business Development
Mecachrome Canada

Charles Magnan graduated from the École Polytechnique de

Montréal in Mechanical Engineering in 1994 and he is a Master's degree in Management of technology since January 2000.

He began his career in business development and business management, which allowed him to participate in the acquisition and the establishment of a company, specialized in automation of industrial processes with a main vocation for aeronautics.

In May 2010 he joined Mecachrome as Director, Development of Technical Affairs for the engineering division in Ville St-Laurent. He was then promoted to the position of Commercial Director for the North American subsidiary. He also plays a role in the know-how transfer from the French plants and the R&D Center in Vibraye to the Canadian subsidiary.

SPEAKERS **MONDAY DECEMBER 5**

2:00 p.m.

WORKSHOP: 4

Strategies and systems to improve the competitiveness of the supply chain Room: 512H

MODERATOR



ISABELLE DESCHAMPS

Full Professor, Director of Graduate Programs in Innovation Management
École de technologie supérieure

Isabelle Deschamps is a Metallurgical Engineer from École Polytechnique, and she holds an MBA from HEC-Montréal and a DBA in Innovation Management from Harvard University.

She started her career as an engineer in companies such as Hydro-Québec, Stelco and Alcan. She has been a Professor at HEC-Montréal from 1988 to 1996, and developed training programs at MICST and at the CRNC. From 1996 to 2007, she has devoted her professional time exclusively to supporting, coaching and financing start-up and pre start-up companies, first as Vice-

President of Inno-centre, a technological incubator; secondly as Vice-president and Partner of Capimont, a private venture capital group involved in early-stage financing.

At ÉTS, she has been involved in the development of courses in Technology Management, Innovation and Strategy. She was also involved in specialized industrial assignments in Intellectual Property Management and Open innovation with companies such as Alcan, Hydro-Québec/IREQ, 5N+, and with the Conseil de la Science du Québec, Développement Économique Canada and Aéro Montréal.

She sits on Boards of many provincial and federal agencies created for the purpose of supporting innovation.

SPEAKERS



MIKE ADAMI-SAMPSON

Vice-President Aerospace and Defense Solution
Dassault Systems

Mike Adami-Sampson earned a Bachelor of Science Degree in Aeronautics from the University of Glasgow (Scotland) and a Master of Science Degree in Engineering from Rensselaer Polytechnic Institute.

He has over 20 years in the aerospace industry, working for Sikorsky Aircraft, Stratford, Connecticut and BAE Systems. With roles primarily in structures design, composites, R&D and PLM design and management, he uses his breadth of experience at Dassault Systèmes to translate customer needs into product requirements.

As Vice President of Product Strategy for Aerospace and Defense Solutions, he works with companies to understand their business strategies and aligns Dassault Systèmes ENOVIA PLM solutions to enable those companies to optimize performance.

He was a founder of Adra Systems which became MatrixOne and was acquired by Dassault Systèmes in 2006. He is a frequent speaker at trade shows and at analyst and industry conferences.



KADER BERKANE

Director
Think Business Innovation

Kader Berkane is Ph.D. in materials physics from the University of Nice-Sophia Antipolis. For over 10 years, he led an academic career in the research of new materials for embedded electronics and operating in hostile environments (aerospace, nuclear medicine).

He is interested in scientific research and experimental development in Canadian SMEs (Quebec, Ontario) and assists in promoting their work through the research tax credit. He subsequently devoted himself to French SMEs and supports them in managing their innovation process and enhancement of their research.

He manages a portfolio of 500 customers on behalf of a consulting firm and coordinates a network of independent scientific experts in various fields such as ICT, biotechnology, materials sciences, social and human sciences. TK Business Innovation proposes an integrated methodology for managing innovation-oriented value chain (HR, finance, sales, customer relationship).



RAYMOND MACHABEE

Vice President Advisory Services, Aerospace and Defense
Mahindra Satyam

Mr. Machabee has a long history in the information technology and the aerospace industry. He is currently with the aerospace consulting practice of Mahindra Satyam. His experience covers the following areas : Strategic planning and support, costs reductions, operations, business process reengineering (BPR), selection and deployment of IT systems, engineering and Information Technology outsourcing.

Prior to joining Mahindra Satyam Mr. Machabee has worked for consulting companies such as Cap Gemini Ernst & Young, EDS (HP), Oracle and Dassault Systèmes. His key interests are the strategic use of information technology and the use of "Offshore" strategies as an engine of value creation in companies.

MODERATOR

SPEAKERS

SPEAKERS **MONDAY DECEMBER 5**

4:00 p.m.

PLENARY

“Innovation challenges for tier 1 players: between the OEMs and its own supply chain” Salle : 710B

MODERATOR



ANTHONY L. VELOCCI JR.

Editor-in-chief
Aviation Week & Space Technology

Anthony Velocci is a graduate of Syracuse University. He has been with the magazine for more than 22 years. Prior to joining Aviation Week, a McGraw-Hill Companies publication, he worked for a variety of other business, financial and defense-related periodicals.

He has received various awards, including the distinguished McGraw-Hill Corporate Achievement Award for Editorial Excellence

and the Royal Aeronautical Society's Aerospace Journalist of the Year award (2006 and 2002). He has appeared numerous times on network and cable television as a commentator on aerospace, defense and civil aviation topics. He has led or contributed to many international conferences and forums on innovation, competitiveness and cross-border collaboration, and he co-chairs an annual aerospace executive summit on critical aviation, aerospace and defense-related issues.

Anthony Velocci is a member of the Board of Directors of the National Aeronautic Assn. and a charter member of the Board of Advisors of the University of Tennessee's Aerospace MBA program.



PATRICK CHAMPAGNE,

Vice President, Cockpits and Systems Integration,
Esterline CMC Electronics

Patrick Champagne holds a Bachelor of Electrical Engineering and a Master of Applied Science, from the École Polytechnique in Montreal. He also obtained a Master of Business Administration (MBA) from McGill University.

He was appointed Vice President, Cockpits and Systems Integration, at Esterline CMC Electronics, in 2010. Previously, he held the position of Vice President, Engineering, for the same company.

He started his career with CMC Electronics in 1986 as a design engineer. He subsequently held the positions of Project Engineer, from 1988 to 1993, and Engineering Manager for the Communications Group, from 1993 to 1998. Before joining CMC Electronics, he was an electronics designer at Nortel and Spar Aerospace, from 1982 to 1986.

He is a member of the Order of Engineers of Quebec and of the IEEE. He was a board member of the École de technologie supérieure from 2002 to 2009, and Chairman of the Board of Directors from 2004 to 2007. He is a board member of Aéro Montréal and the Greener Aircraft Catalyst Project.



CHAD CUNDIFF

Senior Director, Strategy and Aerospace Business Development
Hamilton Sundstrand

Chad Cundiff holds a Bachelor of Science in engineering from the University of Kansas, a Master of Science degree in aeronautical engineering from the University of Washington, and an MBA from the University of Missouri.

He joined Hamilton Sundstrand in April, 2011 and he is responsible for developing aerospace strategy. Prior to joining the company, he served more than 15 years at Boeing and Honeywell Aerospace in positions of increasing responsibility, most recently as vice president of Honeywell Aerospace's Crew Interface Products Group, developing strategy and product management for displays and flight management systems. In his role, he led his team to launch Honeywell's SmartView Synthetic Vision System, which won the 2007 Best Business Aviation Product Award from Flight International, as well as the product launch of the Bendix/King AV80R, which drew rave reviews from the general aviation media.

His career has included assignments in flight test, engineering, program management, sales, marketing and business leadership. Chad Cundiff has been awarded two patents, and won Honeywell's Top Performer Award. Prior to his Honeywell career, he spent five years at Boeing Commercial Aircraft developing the Boeing 777.



MARTIN BRASSARD

Vice President, General Manager, Landing Gear
Héroux Devtek

He joined Héroux Inc. in 1994 and has been Vice-President, General Manager, Landing Gear since June 2005. He has held several positions, including senior management positions at Héroux-Devtek: Controller (1994-1997), Project Manager, ERP software implementation (1997-1998) and Vice-President, Control and Information Technology (1998-2005).



RAPHAËL DUFLOS

Vice President Procurement Officer
Aerolia filiale EADS

Raphaël Duflos has an engineer diploma from l'École Centrale de Lyon and he has a Master's of Science from the University of Salford. In 1989, he got a Masters from l'École nationale supérieure des télécommunications.

He started his career at Aérospatiale Missile at the Design Division and Contract Management. He then went to Airbus as Director of Cost and Cost Management. In 2000 he was in charge of Corporate Sourcing Strategy at EADS. He later became Vice-President Procurement at EADS Socata.

In 2007 he was named Head of Supply Chain Solutions at EADS Astrium and since the end of 2008 he's Head of Chief Procurement Officer at Aerolia SAS. Aerolia is a leader in the aero structures and for the production of nose fuselage subassemblies. Aerolia produces every year more than 500 nose fuselage sections and 6 million elementary parts and panels.

SPEAKERS

SPEAKERS **MONDAY** DECEMBER 5

5:30 p.m. **HOW TO DO BUSINESS WITH BOMBARDIER** Salle : 512E

SPEAKER



CLAIRE AUROI

**Director, Supply Chain
Bombardier Aerospace**

Claire Auroi holds a Master in European and International Business Law from Paris Panthéon-Assas University and a Master in Law from McGill University.

She joined Bombardier in 1998 as Legal Counsel for the Recreational Products Group. She has been working with the Bombardier Aerospace Procurement group since 1999 where she

has held various positions such as Manager for the Global 5000 & XRS development, Manager Sourcing for the Interiors, Director for Supply Chain Strategy & Business Development and Director for Supplier Value Creation. Since September 2009, she is leading the Contracts group and the Corporate Social Responsibility supply chain strategy.

7:00 p.m. **DINNER CONFERENCE – “SOLAR IMPULSE : “WINGS OF THE FUTURE”** Salle : 710B

SPEAKER



CLAUDE MICHEL

**Senior Vice President, Head of Solvay, Head of Solvay –
Solar Impulse Partnership
Solvay**

Claude Michel graduated in 1973 as a chemical engineer and he has a PHD from the University of Lyon in France. He joined

Solvay in 1977 and since then he has held positions in R&D and technical services in the field of specialty plastics. He has been Quality Manager and later on Organization Development Manager for Polyolefins Europe and Integration Manager on the Solvay-BP deal. In the 2002 he's been named Head of Internal Communications for the group. Since 2009, Claude Michel is Head of the Solvay-Solar Impulse partnership.

SPEAKERS **TUESDAY** DECEMBER 6

8:30 a.m.

PLENARY

“INNOVATION, CHALLENGES OF INTERNATIONAL GROUPS” Room: 710B

SPEAKERS



MARIA DELLA POSTA

Senior Vice President, Sales & Marketing
Pratt & Whitney Canada

Maria Della Posta earned a bachelor's degree in commerce from McGill University in 1985 and an MBA from McGill University in 1991. She began her career at P&WC in 1985 and held various roles in procurement, sales financing and credit, customer support, field operations, helicopter marketing program and supply chain. Since 2000, she was named Director, Customer Support and in 2001, Vice President, Customer Support and Vice President, Customer Service. In 2010 she was named Senior Vice President, Sales and Marketing.

She led the P&WC leadership development and succession planning process from 2001 to 2007. Since 2007, she has led the company's Women Leadership initiatives. Ms. Della Posta was inducted into the YWCA's Academy of Women Achievers in New York City in 2001 in recognition of her risk-taking and professional success. She was president and a member of the Board of Directors of la Soleillerie daycare from 1997 to 1999, and a member of the Young Mentoring Association of Québec. She became a member of the McGill MBA Mentoring Advisory Board in 2011.



GIOVANNI BERTOLONE

Executive Vice President Operations
Finmeccanica

Giovanni Bertolone started his career in 1977 with Aeritalia, in the area of power-plant integration for Tornado and AMX Programs. His responsibilities increased progressively to cover aircraft design, aerodynamics, flight technologies and aircraft safety. He moved from technical to managerial responsibilities as Director of the Military Aircraft Business Unit.

He was deeply involved in the process of acquisition of Aermacchi by Finmeccanica and in July 2003 he was appointed CEO and General Manager of Aermacchi with the mission to drive its integration in Finmeccanica Aeronautical Sector and to assure growth in terms of markets, products and economics.

In February 2005 he was appointed as CEO of Alenia Aeronautica and as responsible for the entire Aeronautical Sector; he managed also the subsidiary companies: Alenia, Aermacchi, Alenia North America, Superjet International and Alenia SIA.

In July 2010, Giovanni Bertolone has been appointed as Executive Vice President Operations of Finmeccanica.



ALAIN COUTROT

Deputy Director, Research and Technology
SAFRAN

Alain Coutrot is a graduate of the École Polytechnique (X 70) and of l'École nationale supérieure des technologies avancées.

He began his career in 1975 at Defence Research and Development Canada (DRDC), at Valcartier, Québec where he worked in the development of new formulations of propellants and pyrotechnic compositions. Later on he moved to the Ministry of the Defence of France to the Centre d'achèvement et d'essais des propulseurs et engins and then at the Société européenne de propulsion (SEP) and at Europropulsion (Snecma-AVIO JV) as Director of the Ariane 5 MPS program.

He subsequently held positions at the SEP, which became Snecma and finally Safran, as Head of Scientific Orientation and Programming and Director of Research and Technology Partnerships. Since 2005 he is Deputy Director Research and Technology in the Safran Group.

Since 2007, Alain Coutrot is also President of the aerospace competitiveness pole ASTech Paris Région, first in France in terms of jobs in the field of aeronautics, space and embedded systems.



OFER KLEIN

Director Research & Development, Aerospace Division,
Elbit Systems

Ofer Klein has a B.Sc. in Industrial Engineering and Management. Since 2010 he has been with Elbit Systems as R&D Director in the Aerospace Division where he manages programs from idea phase through design and implementation levels. He's also in charge of forming international cooperation for R&D, marketing and business development.

From 2007 to 2010 he was Director, Operational Requirements and Human Factors. He is a member of NATO task group for Brownout and Degraded Visual Environment and he's a helicopter pilot with experience of more than 15 years and more than 1600 flight hours.

SPEAKERS **TUESDAY** DECEMBER 6

10:30 a.m. WORKSHOP: 5
 Support programs for innovation in the development of the supply chain Room: 512E

MODERATOR




HANY MOUSTAPHA
Professor and Director, AÉROÉTS, École de technologie supérieure
Senior Research Fellow, Pratt & Whitney Canada

He is the Canadian industry member of the North Atlantic Treaty Organization's (NATO) Applied Vehicle Technology (AVT) Panel and of the International Society of Air Breathing Engines (ISABE). He is Adjunct Professor at Carleton University (Canada) and Rzeszow University (Poland) and is an active member of committees within the Consortium for Research and Innovation in Aerospace in Québec (CRIAQ), the Green Aviation Research and Development Network (GARDN) and Aéro Montréal. He was the founder of the Montreal Aerospace Institute (MAI) and co-founder of CRIAQ.

He is a recipient of many awards such as the 2011 NSERC/P&WC Industrial Research Chair on Propulsion System Integration and Optimization, GARDN Tribute Prize 2011, Concordia Provost Distinction Award 2009, Ryerson University 2005 Honorary Doctorate, Concordia University Teaching Excellence Award 2002 and Canadian House of Commons 2001 Award for Outstanding Academic and Professional Achievements.

Hany Moustapha is a Fellow of the American Society of Mechanical Engineers (ASME), the Canadian Academy of Engineering (CAE), the Canadian Aeronautics and Space Institute (CASI) and the Canadian Society for Mechanical Engineering (CSME). He is the author and co-author of over 70 publications and two books on gas turbines. He has been an invited keynote speaker at more than 50 national and international conferences

SPEAKERS




PIERRE BOURASSA
Manager
NSERC-Quebec

Pierre Bourassa holds a B. Sc. (Biochemistry), a degree in management and a MBA in bio-industries financing.

As Manager of NSERC's Québec Regional Office, he promotes and supports financial partnerships between innovative enterprises and universities and colleges.

A former entrepreneur, he joined the Industrial Research Assistance Program (IRAP) of the National Research Council (NRC) of Canada in 1999 as an industrial technology advisor supporting life sciences' new technologies. He was located in Montréal at the Venture Capital division head office of the Business Development Bank of Canada (BDC) in charge of cooperation between the two organizations for new investments.

As a result, he covered many innovative sectors and was instrumental in investments exceeding \$300 Million. He was also an active member of the NRC-BDC-NSERC HUB committee designed to synergize support for innovative SME's.




BOGDAN CIOBANU
Director General
National Research Council Canada
Industrial Research Assistance Program (NRC-IRAP)

Bogdan Ciobanu is a mechanical engineer and holds an MBA from the John Molson School of Business.

He has an extensive background in computer aided manufacturing and mechanical design. As an executive, he has a successful track record in business strategy, marketing of technology and innovation management.


Before joining IRAP, he worked in R&D and consulting for a major research organization, in sales and marketing for a distributor of computer numeric control machines and in senior management for an engine parts manufacturer.



ROCH CHOUINARD
Director, Strategic Aerospace and Defence Initiative (SADI) Program,
Industry Canada

Roch Chouinard graduated from the Royal Military College of Canada in Computer Engineering and spent eleven years in the Canadian Air Force, subsequently joining the federal government. He has worked at Public Works and Government Services Canada, the Canadian Space Agency and Industry Canada in the fields of project, procurement and program management.

The Strategic Aerospace and Defence Initiative (SADI) main objectives are to encourage strategic research and development (R&D) that will result in innovation and excellence in new products and services, enhance the competitiveness of Canadian A&D companies and foster collaboration between research institutes, universities, colleges and the private sector.



CHRISTYNE TREMBLAY
Deputy Minister
Ministère du Développement économique, de l'Innovation et de l'Exportation

Christyne Tremblay has a Graduate degree in Business Administration from the École nationale d'administration publique, as well as a Bachelor of Economics and a Bachelor of Political Science from the University of Ottawa. Before beginning her current duties as Deputy Minister at the Ministère du Développement économique, de l'Innovation et de l'exportation (MDEIE) in January 2010, she held the office of Assistant Deputy Minister at the Direction générale des politiques et des sociétés d'État of the MDEIE for two years.

Prior to that office, she held the position of Secretary General at the Ministère des Finances.

Christyne Tremblay has acquired more than twenty years of experience in public service, in which she has held key positions at the Ministère du Conseil exécutif, the Ministère des Relations internationales and the Ministère de l'Industrie et du Commerce.

SPEAKERS **TUESDAY DECEMBER 6**

10:30 a.m.

WORKSHOP: 6

Harmonization of innovation initiatives. The status in Québec, Ontario and Manitoba Room: 512F

MODERATOR



PASCAL DÉSILETS

General Manager
Centre des technologies en aérospatiale (CTA)

Pascal Désilets is a graduated bachelor in mechanical engineering from École Polytechnique de Montréal and he has an MBA from the École des Hautes Etudes Commerciales (HEC).

He is general manager of the Centre technologique en aérospatiale (CTA) since 2004. Over the years, CTA has increased tenfold in sales in addition to investing nearly \$ 17 million in research infrastructure for composite materials, avionics, metrology and machining. He previously worked at

Mecanica Solutions as a Project Manager and Specialist in Design and Computer aided Manufacturing.

He has completed several mandates for Bombardier Aerospace, Pratt & Whitney Canada, and the Institute for research in Aerospace of National Research Council of Canada (NRC), Snecma and Ferrari. He also worked for several years in the biomedical field at Sinlabbio structure as director of operations and research. He is a member of the Innovation committee of Aéro Montréal and the Research committee of the Consortium for Research and Innovation in Aerospace in Québec (CRIAQ).

SPEAKERS



PHILIPPE HOSTE

Chief Executive Officer,
Sonaca Montréal
President of the Supply Chain Committee,
Aéro Montréal

Philippe Hoste is a graduate in economics and holds an MBA from the University of Louvain (Belgique). He pursued post-graduate studies in Purchasing Strategy at HEC Paris. After his studies, he has held positions of Bank Manager and he acquired a solid experience of the financing of SMEs.

He has worked for 25 years to lead, manage, adjust and propel companies to success. In 1996, he joined the Sonaca Belgium management team where he assumed the responsibilities of logistics, subcontracting and procurement. In 2005 he accepted the offer of Sonaca Belgium to take the Sonaca Montréal.

Sonaca Montréal was chosen Company of the year 2007, by the Québec Aerospace Association and in 2009, the company received the Desjardins 2009 Award in the International Trade category.

Philippe Hoste is a Director and member of the Executive Committee of the cluster Aéro Montréal, which he chairs the Supply Chain Development working group, and he is an active member of the Québec Aerospace Association. Since October 2008 he presides the Board of Directors of STIQ (Sous-Traitance Industrielle Québec).



ROD JONES

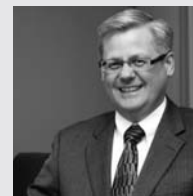
Executive Director
Ontario Aerospace Council

Rod Jones graduated in Mechanical Engineering at McMaster University and earned his Master of Business Administration degree at Wilfrid Laurier University in Waterloo.

He was instrumental in the creation and development of the Ontario Aerospace Council and has served as the Executive Director of the OAC since its inception in 1995. His expertise is in strategic management, general management, business development and marketing in a number of manufacturing industries.

He is also a Director of the Aerospace Industries Association of Canada, Chair of the Canadian Aerospace Associations Human Resources Alliance (CAAHRA), Co-Chair of the Council of Canadian Aerospace Industry Associations, Chair of the Steering Committee for AERO-Canada, and serves on the Advisory Board for the Ryerson Institute for Aerospace Design and Innovation (RIADI).

Rod Jones is President of the Canadian Manufacturing Agility Forum (CMAF), a not-for-profit industry organization that is leading the Manufacturing Advancement Partnership (MAP) initiative to enable manufacturing SME suppliers to 'move up the value chain' and compete globally.



WENDELL C. WIEBE

Executive director
and General Manager
Manitoba Aerospace Association

Wendell C. Wiebe holds a Masters of Education from the University of Manitoba. He is Executive Director and General Manager of Manitoba Aerospace Human Resources Council (MAHRC), a position he has held since 2009. MAHRC is a not for profit sector council that uses public and private funds to identify and address the training and education needs of the Manitoba aerospace sector for the short, medium, and long terms. MAHRC works on behalf of its members with governments and educational institutions to bring about positive change at the secondary and post-secondary levels of education.

Prior to joining MAHRC, he was employed by Bristol Aerospace for 17 years, as the Manager of Staff Development where he was instrumental in creating an employee training and development system and then as Director of Human Resources.

He was Bristol's representative on the MAHRC Executive for 17 years and from 1999 to 2004, he served as the Chair. A highlight of his career was being asked to contribute to a book about adult literacy. The focus of his chapter was outlining the business case for the establishment of a workplace literacy program. The book, titled Adult Literacy Now, was published in 2000.

SPEAKERS **TUESDAY** DECEMBER 6

10:30 a.m. **WORKSHOP: 7**
SMEs and Innovation: Success stories Room: 512G

MODERATOR




PIERRE DICAIRE
Director
Aerospace Manufacturing Technology Centre – NRC

Pierre Dicaire has been Director of the Aerospace Manufacturing Technology Centre (AMTC) of NRC's Aerospace Research Institute (IAR) since October 2006. He represents NRC on the Research Committee of CRIAQ and on the Innovation Working Group of

Aéro Montréal. From 2003 to 2006, Mr. Dicaire was responsible for NRC-IAR's Business Development and Contracts activities in Québec. He joined NRC Corporate Services, Business relation Office in Ottawa as a technology Exploitation and Entrepreneurship Advisor in 2000. In 2002, he led a project to develop an NRC corporate-level IP Management and Commercialization Strategy. Mr. Dicaire holds a BSc (Chemistry) degree from Université de Montréal and an MBA from HEC Montréal.

SPEAKERS




GRAEME G. KEEPING
Chief Executive Officer
IsoGrid Composites Canada

Graeme G. Keeping commenced a career in engineering and technical writing with Canadair (Bombardier) and Boeing. Moving to trade publishing, he was Managing Editor of Industrial Research Journal and Iron Age Magazine. In 1967 he joined Reader's Digest where he was Executive Editor of the book publishing division and later headed Reader's Digest's International Operations.

Following 15 years with the Digest, he launched one of the earliest online publishing firms distributing financial information and scientific R&D. In the 1990s he worked as Entrepreneurial Business Growth specialist with Inc. Magazine. He assisted in the sale of the Inc. enterprise before becoming Chairman, CEO, F3 Automation Software.

He was a co-founder of Independent Network Systems, a satellite information distribution network sold to Macmillan Publishing. He also founded Scientific Data Link, a technology business monitoring development in robotics and artificial intelligence and he was co-founder and CEO of NetPaper, an Internet learning-software provider. He serves as a Director of Edvoacy Research, a technology solution identifying early learning disabilities in children.


Graeme G. Keeping serves as an advisory board member to several emerging growth technology businesses. He has served on the boards of several public and private firms including The Standard Register Company (NYSE-SR) the world's largest Health-Care information management firms.



GAIL COMEAU
Engineer, Cathode production, Quality assurance
Soudure JM Tremblay

Gail Comeau holds a Civil Engineering diploma from the Moncton University and a Master's Degree in Environment from the Université de Sherbrooke. She has been working with Les Soudures JM Tremblay (1987) inc (SJMT) since 1997.

After several years working on the field sites, she was transferred to the main office in St-Anicet in 2000 to work in the Cathode fabrication/repair department, one of the three divisions in the company. After five years, she was promoted Director of the department. Her main functions are maintaining supplies for the raw material, supervising production and quality control as well as keeping good relations with the clients. In order to always deliver a good quality product, she works with the President, Mr. Pierre Tremblay, to improve the quality and lifespan of the cathodes through various research and development projects.



CLÉMENTINE GALLET
Chief Executive Officer
Coriolis Composites SAS

Clémentine Gallet holds a diploma of Esslingen University of Applied Sciences (Germany), with specialization in mechanical engineering (plastics industry). She also has a Bachelor of technology and a University Diploma in technology (mechanical engineering). In 2000, she attended the Management School of Lyon where she was in the Program to support business initiatives.

She began her career as a research technician in the composites sector, particularly in the navigation sector to provide a technical and industrial solution to the problems posed by the technologies of production of the hulls of sailboats.

She worked at SGL Carbon in Germany and at Material S.A. in Belgium. In 1999, she held the position of Engineer CAD at Valéo and then found Coriolis Composites with two other partners. She is President since 1999. Coriolis Composites is positioned as the expert company and technology provider for the robotized fibre placement.



PIERRE-OLIVIER THERRIEN
Supervisor, Manufacturing Engineering Expertise Centre
Bombardier Aerospace

For the past three years, Pierre-Olivier Therrien has worked at the St-Laurent manufacturing center of Bombardier Aerospace as a project manager, and then, for the past year, as supervisor of the manufacturing engineering and innovation group. He oversees the activities of this group, responsible for the technical selection of new equipments and the manufacturing processes development related to the composite materials, but also to machining, forming and assembly of aircraft structures. He also worked at Héroux Devtek, landing gear division for 2 years as design and special project engineer. Mr. Therrien graduated from École de Technologie Supérieure (É.T.S) in Mechanical Engineering since 2007 and also has a technical degree from École Nationale d'Aérotechnique (É.N.A.).

SPEAKERS **TUESDAY DECEMBER 6**

12:00 p.m. Luncheon - "BELL HELICOPTER: CHANGING THE WAY THE WORLD FLIES" Room: 710B

SPEAKER



BARRY KOHLER

President
Bell Helicopter Textron Canada

Barry Kohler has a bachelor's degree in mechanical engineering from General Motors Institute. He began his career in gas turbine engine development and has been at Bell Helicopter since 2004. He has been vice president of Bell's Commercial Business and he is now responsible for Bell Helicopter Canada's manufacturing, engineering and flight test operations in Mirabel, Quebec and the North American Supply Center in Calgary, Alberta, as well as Canada's Department of National Defense fleet of CH-146 Griffon helicopters. The Mirabel plant manufactures the world's newest helicopter – Bell's light, twin-engine 429 – and the 206L4, 407 and 412 commercial helicopter lines.

An accomplished leader, he gained a broad background in aerospace, technology and business management over a 25-year career with top-tier companies. His experience includes development of propulsion, control and fly-by-wire systems. He previously led the rotary-wing flight control business at BAE Systems, was a product manager for Honeywell's air starter business, and worked for more than 15 years in propulsion and control system development at Honeywell and Allied-Signal. He is a member of the Executive Committee of the Board of Directors of Aerospace Industries Association of Canada, and a member of the Board of Directors of the St-Jérôme Regional Hospital Foundation.

1:30 p.m.

WORKSHOP: 8

End of life management of aircraft - Presentation of the main aircraft recycling initiatives globally Room: 512E

MODERATOR



VALÉRIE BÉCAERT

Executive Director
CIRAIG

Ms. Bécaert holds a Ph.D. in chemical engineering from École Polytechnique de Montréal and joined the CIRAIG in 2005. She has since held several positions within the centre as a research assistant and scientific coordinator, as the assistant director of the FQRNT/FQRSC network and since January 2011 as the Executive

Director. She has demonstrated her leadership and teambuilding skills and developed in-depth knowledge of academic research, specializing in contaminated site management and life cycle assessment.

She manages the centre's national and international outreach activities and daily operations, overseeing all private and institutional mandates. She also works to leverage the investments in LCA research development in Québec.

SPEAKERS



JEAN-PIERRE DUBÉ

President
JPD Conseil – Avianor Project

Jean-Pierre Dubé is an engineer and management consultant since 1990. He has advised more than one hundred SMEs, large companies and industrial multinationals (Bombardier Aerospace, Bombardier Transportation, IBM, Kraft, ABB, etc.) in a dozen countries in Europe, Asia and Americas.

Assisted by his team, he personally helps medium and large industrial companies in Québec to improve their operational strategy to do more with less in a sustainable manner.



BRUCE PARRY

Manager, Corporate Social Responsibility
Bombardier Aerospace

Bruce Parry holds a BSc. (Hons) in Environmental Quality and Resource Management from the University of the West of England, Bristol in the United Kingdom.

He originally joined Bombardier Aerospace in December 2007 as an Engineering Specialist – Design for Environment (DfE). Prior to joining Bombardier he spent six years at Airbus where he implemented and maintained ISO 14001 at the Bristol site and became the Environment Manager for the site in 2007. From 2004 to 2006, as ISO 14001 Organization Manager at the Airbus Headquarters in Toulouse, he was part of a team that designed and implemented the Site and Product Oriented Environmental Management System (SPOEMS) that Airbus put in place to manage environmental impact for its sites and also its product range.

At the beginning of 2011 he took up the position of Manager – Corporate Social Responsibility. He leads all aspects of CSR and he ensures that Bombardier incorporates CSR in its day-to-day business behaviours across Business Units and Functions.

He has been contributing in the IATA Technology Roadmap Report published in 2009 along with a similar study towards the Canadian Aviation Environmental Technology Roadmap (CAETRM) and is actively involved in projects for future aviation technology improvements through the Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ).



OLIVIER MALAVALLON

PAMELA-Life Project director
Airbus SAS

Olivier Malavallon is a graduate of "Ecole Nationale Supérieure des Arts et Métiers". In 2000 he graduated from the Aerospace MBA (Toulouse). Since the beginning of his professional life he's been working for Airbus and his former mother company Aerospatiale.

He started his career in 1998 at Aerospatiale Space & Defense division at Bordeaux Technical Center where he was in charge of a manufacturing unit producing thermal heat shields for French ICBM, Ariane launchers and space probes (Huygens, ARD).

In 1993 he moved to the engineering of Aerospatiale Civil Aircraft Division based in Toulouse. Within Materials & Processes Department he managed a team of 10 specialists in the field of Surface Technologies. Back to Airbus he joined the Products & Services Strategy Department where he insured a 2 years mission as Business & Competition analyst.

In October 2011, he joined the Business Development and Strategy department under the Customers Services directorate.



WILLIAM CARBERRY

Deputy Director
Aircraft Fleet Recycling Association (AFRA) Boeing

William (Bill) Carberry holds a bachelor of science in Natural Resource Development from the University of Rhode Island, a Master of Science in Environmental Health from the University of Washington, and a Master in Business Administration and Finance from City University in Seattle.

He joined Boeing in 1997 as the Everett site emergency coordinator in the Safety, Health and Environment Affairs department, and has been part of the Airplane Environmental Performance group in BCA Product Development since 2001. He is a member of Boeing Commercial Airplanes' Environmental Performance team and Program Manager for Aircraft and Composite Recycling. In this position, he leads company initiatives supporting retired aircraft management.

He was one of the founders of the non-profit Aircraft Fleet Recycling Association (AFRA), where he serves on the Board of Directors and as that as AFRA's Deputy Director. He is the technology leader for Commercial Airplanes Product Development's sustainable materials and airplane recycling focus groups.

SPEAKERS **TUESDAY** DECEMBER 6

1:30 p.m.

WORKSHOP: 9

Green initiatives: Business opportunities for SMEs Room: 512F

MODERATOR



GILLES SAVARD

Dean, Research and Innovation
École Polytechnique de Montréal

Gilles Savard has been a professor at École Polytechnique since 1993. From 2001 to 2007, he acted as Chair of the Mathematics and Industrial Engineering Department before becoming Dean of Research and Innovation. He has published over 80 scientific papers and supervised close to 90 graduate students over the course of his career.

He is a specialist in bilevel mathematical programming. For 20 years, he has carried out numerous projects on the planning of peace missions with the Defence Department. He, with few collaborators, has also developed an innovative approach in the field of revenue management now today commercialized by ExPretio for airline and railway companies.

Gilles Savard was instrumental in the EUGENE project which won the award for best application in operational research in Canada in 1999 as well as for the creation of the company ExPretio Technologies, which was honoured in 2010 for the quality of its partnerships. He is a member of several boards of directors.

SPEAKERS



SYLVAIN COFSKY

Chief Executive Officer
GARDN

Sylvain Cofsky obtained his Undergraduate Degree from the École des Hautes Études Commerciales of Montréal in 1990

and a Master's Degree in Science from the Université de Montréal in 1993.

He 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. For more than 5 years, he was, as the Director General of NanoQuébec, an organization created by the Canadian and Québec governments, a key player in the structuration of the nanotechnology sector in Québec.

He was instrumental in negotiating an agreement signed in 2008 between NanoQuébec and the aerospace industry. He has also worked for more than 10 years in France, where he held different positions related to the economic development strategies.



CLÉMENT FORTIN

President and Chief Executive Officer
Consortium for Research and Innovation in Aerospace in Québec (CRIAQ)

Clément Fortin has a Bachelor of Science from the University of Kingston, a Master of Science from the University of Toronto, and a Ph.D. from Queen's University.

He is President and CEO of CRIAQ since August 2010. He was Head of the Department of Mechanical Engineering at École Polytechnique de Montréal from 2005 to 2010 and a professor at the institution since 1987.

He served as a pilot in the Canadian Forces from 1975 to 1980 where he logged over 1,600 hours of flying time on jet trainers and fighters. Then he has founded Polyplan Technologies, a spin-off of Polyvalor and a leader in Manufacturing Process Management (MPM).

Clément Fortin is a member of l'Ordre des ingénieurs du Québec, of the American Society for Engineering Education, of the American Society of Mechanical Engineers and of the Design Society.



PIERRE RIOUX

Manager, Research and Development,
Bell Helicopter Textron
Member of the Board,
SA²GE

Pierre Rioux is a graduate of the Royal

Military College of Canada, Kingston (Ontario) where he received a bachelor's degree in Mechanical Engineering in 1982.

He began his career as an Aerospace Engineering officer in the Canadian Forces where he held positions as an aircraft structures specialist at the Aerospace Maintenance Development Unit, Canadian Forces Base Trenton (Ontario), and at the Aerospace Engineering Test Establishment, Canadian Forces Base Cold Lake (Alberta).

He joined Bell Helicopter Textron Canada Ltd as a dynamics specialist in December 1991. He participated in the development of the CH-146 Canadian Forces Utility Tactical Transport Helicopter (CFUTTH), and contributed to the development and certification flight testing of the Model 407, 427 and 429 commercial helicopters.

He was appointed Chief, Flight Technology in January 2005, and Manager, Research and Development in July 2009. He is a member of the Transport Canada Civil Aviation Design Approval Organization at Bell Helicopter Textron Canada Ltd. He is also Director on the Board of the Canadian Composites Manufacturing Research and Development (CCMRD) Network, and Director on the Board of "Regroupement pour le développement de l'avion plus écologique".

MODERATOR

SPEAKERS

3:30

SPEAKERS

SPEAKERS **TUESDAY DECEMBER 6**

1:30 p.m.

WORKSHOP: 10

Collaboration to foster innovation across the supply chain – The research consortia EUROPE Room: 512G

MODERATOR



YVES LAFORTUNE

**Director of North America and Europe, EXPORT QUÉBEC
Ministry of Economic Development, Innovation and
Export Trade (MDEIE)**

Yves Lafortune holds a PhD in economics from the Université de Montréal and a diploma of second cycle in Public administration from the École nationale d'administration publique (ENAP).

He began his career in the Québec public service in 1985 and he has held several positions in various departments. From 2000 to 2005, he worked at the Ministry of Municipal Affairs and Regions and the Metropolitan

Community of Montréal and in 2006, he joined the MDEIE where he held management positions. Since 2009, he is Director of North America and Europe to the General Directorate for International Economic Affairs.

Because he worked in the French public administration for the France-Québec program of exchanges of officials and for the Québec Office in Toronto, he has a good knowledge of Europe and of the functioning of representations of Québec abroad.

SPEAKERS



THILO SCHÖNFELD

**Deputy Director
International Affairs
Aerospace Valley**

Following his master degree earned in 1988 at the Technical University of Darmstadt (Germany), he has been Software Development Engineer at the Swedish National Aerospace Research Center in Stockholm. In 1993 he has obtained his PhD doctoral degree in the field of Computational Fluid Dynamics awarded by the Institut National Polytechnique de Toulouse.

From 1993 to 2001 he has occupied several scientific positions at the semi-private non-profit research center CERFACS in Toulouse and in 2001 he was appointed as Managing Director of the CFD software provider AEA Technology (today ANSYS group) located in Paris.

Later on he became Technical Consultant in Project Management while doing a part time job with the CNRT-Aéronautique & Espace association. In 2007 he joined Aerospace Valley located in Toulouse as Deputy Director for International Affairs. His current field of activities comprises the international business development of small and medium sized companies members of Aerospace Valley. He is also in charge of the institutional relations with European and international aerospace clusters as well as R&D activities including the position of French National Contact Point for the thematic priority "aeronautics and air transport" under the 7th Framework Programme run by the European Commission.



MICHAEL MUTH

**Managing Director
ASIS - AeroSpace
Initiative Saxony**

Michael Muth has a Diploma of Electrician Engineer for Avionics from the Kiev Institute of Civil Aviation Engineers (National Aviation University).

He started his career in 1982 as a Repair Engineer of military combat aircraft and helicopters. He later held various management positions and he's been Chief technologist of the company Flugzeugwerft Dresden.

Between 1992 and 2008, he worked on the maintenance of the B737 for Elbe Flugzeugwerke Dresden GmbH (an EADS company) and the conversion of the A300/310 from Passenger to Freighter and Multirole Transporter and Tanker (MRTT). He was also Project Director for the Conversion of the A320/321.

Since April 2008, he is Managing Director for the AeroSpace Initiative Saxony.

MICHAL PILECKI

**Project Manager
Aviation Valley**

THE SPEAKER'S
BIOGRAPHY IS NOT
AVAILABLE.

3:30 p.m.

CONCLUSION ROOM: 710B

SPEAKERS



FRANÇOIS CAZA

**President of Innovation Committee
of Aéro Montréal
Vice President and Chief Engineer,
Engineering, Bombardier Aerospace**



SUZANNE M. BENOÎT

President, Aéro Montréal

EXHIBITOR'S

Air Data

www.airdata.ca

Air Data designs, builds and commercializes innovative, competitive advanced avionic and electrical power solutions with products installed on commercial and military aircrafts, helicopters and UAV. We also offer custom solutions to meet OEM's unique needs. Our risk sharing approach, combined with short development cycles, make us a reliable key partner.

Booth: 31

Alphacasting

www.alphacasting.com

Founded in 1991, Alphacasting has quickly become a worldwide leader in precision investment casting, pouring more than 120 different types of alloys. - Aluminum; - Stainless steel; - Carbon steel; - Bronze; - Titanium and exotic alloys; Alphacasting specializes in the production of innovative and modern castings for the high-tech industry.

Booth: 36

Altair Engineering Canada

www.altair.com

Altair® HyperWorks® enables clients to exploit the full potential of CAE early in the process to predict overall performance supporting decision making, and later on to accurately and quickly verify that designs meet performance requirements. HyperWorks consistently delivers a 40% to 60% improvement in FE modeling productivity and concept design definition.

Booth: 48

Aluminerie Alouette

www.alouette.com

Aluminerie Alouette is an independently operated company that produces primary aluminum. With 1,000 employees and an annual production capacity 575,000 tonnes, it is the largest employer in Sept-Îles and the leading aluminum smelter in the Americas. Aluminerie Alouette meets and exceeds governmental standards with regards to environmental responsibility.

Booth: 27

ASIS - Aerospace Initiative Saxony

www.aerospace-saxony.de

ASIS - "Aerospace Initiative Saxony" was founded in April 2008. The "Aviation and Aerospace Competence Centre of Saxony and Thuringia" and the GWT-TUD GmbH are the leading Organizations. ASIS represents the interests of the aviation and space industry in Saxony with the aim to promote and sustainably develop the competencies.

Booth: 50

Assystem Canada

www.assystem.com

Assystem is an International Engineering and Innovation Consultancy Group. As a key participant in the industry for more than 40 years, Assystem supports its customers in developing their products and managing their capital expenditure throughout the product life cycle. Assystem employs more than 10,000 people worldwide

Booth: 51

BCI Aerospace

www.bciaerospace.com

BCI Aerospace is a leading brand organizer of " B2B meetings " events dedicated to professionals in the aerospace & defense industry, operating in: Europe-South/ North America - Asia. We organize: AEROMART Toulouse, Montreal, Tianjin and AEROSPACE MEETINGS Seattle, Tunis, Turin, Sevilla, Guadalajara, Kuala Lumpur, Casablanca... Our business is to make your business meet the right contacts!

Booth: 14

BuildIT Software & Solutions Ltd. / Maya Heat Transfer Technologies Ltd

www.builditsoftware.com ; www.mayahtt.com

Maya is an expert provider of design, simulation and manufacturing solutions for all phases of digital product development. This includes BuildIT, a software solution that interfaces with measurement devices for real-time part inspection, tool building, quality control, automated inspection and data capture for reverse engineering applications.

Booth: 24

Centre technologique en aérospatiale

www.aerospatiale.org

Booth: 10

Chubb Edwards

www.chubbedwards.com

Chubb Edwards is a member of UTC Fire & Security, an international entity providing fire safety and security solutions to more than 1 million customers worldwide. UTC Fire & Security is a business unit of United Technologies Corp. and provides High-technology products and services to the commercial building and the aerospace industries.

Booth: 33

Cipolla R&D Consultants

www.crdctaxcredits.com

CRDC is a firm specializing in providing consulting services related to obtaining government funding for innovation projects. Our mission is to promote the growth of technological capabilities and know-how by helping our clients understand and take full benefit from various government financial support to encourage investment in R&D

Booth: 18

Concordia University

<http://ciadi.concordia.ca/>

CIADI's objective is to provide leading edge know-how to students through industry driven design and research projects in aerospace. CIADI's approach is multi-disciplinary in nature and its efforts are focused on ever-evolving aerospace technologies. The Institute provides excellent training opportunities for students seeking a career in the aerospace industry.

Booth: 9

CRIAQ

www.criq.aero

CRIAQ is a not-for-profit organization whose mission is to increase competitiveness of aerospace industry and enhance collective knowledge base through a better training of students. CRIAQ is a unique model for collaborative research involving industry, universities and research centres.

Booth: 54

CRIQ

www.criq.qc.ca

Booth: 15

Dassault Systèmes

www.3DS.com

Being the service entity of Dassault Systèmes, leader in 3D and PLM, we develop and deploy innovative and lean product development automation solutions that apply to numerous industries such as business aircrafts, automotive and nuclear.

Booth: 37

École de technologie supérieure

aeroets.etsmtl.ca

L'École de technologie supérieure (ÉTS) trains engineers and researchers renowned for their practical and innovative approach, the development of new technologies and their transfer to industry. Specialized in applied training and research in engineering, ÉTS has developed a unique partnership with businesses and particularly with the aerospace industry.

Booth: 11

École Polytechnique de Montréal

www.polymtl.ca

POLYTECHNIQUE MONTRÉAL: The only Québec university offering an aerospace engineering program (150 students). Graduate and post-graduate training in aerospace engineering. Each year over 200 students in internships in this sector. More than 60 researchers are working on research projects with the aerospace industry.

Booth: 12

Ellison

www.ellison.com

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Eurosc

www.eurosc.com

euroscrip... tion, dep... between... (ments) a... which co... **Booth: 2**

GARDN

www.gardn.com

Booth: 4

Genius

www.genius.com

Genius S... Genius S... engineer... engaged... **Booth: 1**

Gestior

www.univ-gestior.com

Univor... including... of appro... vanced t... **Booth: 6**

Groupe

www.avia-groupe.com

The Avia... actively i... overhaul... **Booth: 2**

Hiroshi

www.jetro-hiroshi.com

Hiroshim... As a resu... composit... in Hirosh... **Booth: 4**

ICAM T

www.icam-t.com

ICAM sp... tion durin... interface... ICAM pro... tion feat... **Booth: 1**

Industr

www.ic-g.com

Industry... Canadian... capability... investme... ting rules... **Booth: 1**

Ellison Surface Technologieswww.ellisonsurfacetech.com

Ellison Surface Technologies provides comprehensive coating and surface treatment services to enhance the performance of aircraft engine, airframe and landing gear components. The company maintains ISO, AS9100 and Nadcap certifications to ensure these services meet the high demands of the aerospace industry. Ellison currently serves most major aerospace OEMs.

Booth: 45**Euroscript Canada**www.euroscript.ca

euroscript benefits from more than 20 years of experience in the design, implementation, deployment and operation of document systems and maximizes the synergies between its different activities of services (Translation and writing of content/documents) and consulting (Design and integration of Content Management Systems), which cover the entire information lifecycle.

Booth: 21**GARDN**www.gardn.org**Booth: 44****Genius Solutions**www.geniuserp.com

Genius Solutions is a software provider planning MRP/ERP manufacturer's resources. Genius Solutions delivers manufacturing and job management solutions for custom, engineer-to-order, make-to-order, assemble-to-order environments and companies engaged in manufacturing improvement strategies like Lean Manufacturing.

Booth: 17**Gestion Univalor, Société en commandite**www.univalor.ca

Univalor mission is to link the Université de Montréal and its affiliated institutions, including l'École Polytechnique de Montréal, with the industry. Its portfolio consists of approximately 400 innovations enabling it to offer its partners with access to advanced technologies developed by researchers from an international level.

Booth: 6**Groupe Avianor**www.avianor.com

The Avianor Group, with its 4 divisions, is a complete cabin integration specialist, actively involved in the design, engineering, certification, manufacture, repair and overhaul of cabin interiors components.

Booth: 2**Hiroshima Aerospace Industry Study Group**www.jetro.go.jp/canada/toronto/Events/Hiroshima2011Mission.html

Hiroshima has a long thriving history in automobile, ship and aircraft manufacturing. As a result many hi-tech companies, notably in the areas of precision machining and composite manufacturing, are concentrated here. 33 of these companies participate in Hiroshima Aerospace Industry Study Group (HAISG).

Booth: 43**ICAM Technologies Corporation**www.icam.com

ICAM specializes in Integrated Machine Simulation and material removal verification during post-processing for the generation of trusted G-Code. ICAM products interface with CATIA and popular CAD/CAM/PLM systems, machines and controllers. ICAM products are available for Multi-axis & Mill/Turn machines and include optimization features to avoid dwells, over-travel and rotary repositioning.

Booth: 19**Industry Canada**www.ic.gc.ca

Industry Canada's mission is to foster a growing, competitive, knowledge-based Canadian economy. Program areas include developing industry and technology capability, fostering scientific research, setting telecommunications policy, promoting investment and trade, promoting tourism and small business development, and setting rules and services that support the effective operation of the marketplace.

Booth: 16**INO**www.ino.ca

INO, a world class technology developer and provider in optics and photonics dedicated to serving industry. Our services include feasibility studies, prototyping, small scale production, and technology transfers.

Booth: 5**Institut de Formation Aéronautique**www.ifaero.ca

IFA is a one-stop service provider specialized in in-company training for the aerospace industry. IFA contributes to the development of the aerospace industry by helping its clients to improve the competency of their human resources.

Booth: 3**J² Gestion d'Approvisionnement**www.j2-inc.ca

J² is a consulting firm focusing in managing the supply chain, working in the aerospace manufacturing industry. J² team works with companies to increase their competitiveness. J² helps its client : Management of supply chain; Changes in your market; Continuous improvement of your competitiveness.

Booth: 23**JMJ Aerospace**www.jmj-aeronautique.com

With 15 years of experience, JMJ Aerospace is a leader in the strategic outsourcing of human resources and integrated workforce management for the aerospace industry. JMJ is notable for its remarkable ability to take charge of human resources for its clients, from the planning stage to the deployment of a world-class workforce.

Booth: 7**Lx Simulation**www.lxsim.com

Lx Simulation is a mechanical engineering firm specialized in engineering simulation and mechanical design. Project examples: Composite lay-up optimisation, external aerodynamics, aeroacoustics, HVAC system analysis, part material change from metal to plastic, complex part weight reduction (topological optimization). Softwares: HyperWorks, STAR-CCM+, CATIAV5.

Booth: 47**MACH Initiative**www.aeromontreal.ca

The MACH Initiative from Aéro Montréal is a program to support Québec's aerospace suppliers in improving their overall competitiveness while accelerating the supply chain transformation.

Booth: 52**MAECI**www.deleguescommerciaux.gc.ca

As part of Foreign Affairs and International Trade Canada, our Trade Commissioners are located in more than 150 cities worldwide and in Canada, and can help your organization succeed abroad by providing access to commercial information and a global network of contacts.

Booth: 26**Marivent Corporation**www.marivent.com

Marivent Corporation offers turnkey risk-reduction services for complex avionics R&D, flight test, and aeronautical certification programs. Marivent's Design Approval Representatives (DAR) cover the disciplines of fixed-wing and rotary-wing flight test and related software. The company operates an advanced R&D flight simulator and a Piaggio Avanti airborne systems test-bed.

Booth: 7A**McGill University**www.mcgill.ca/miae/

The McGill Institute for Aerospace Engineering plays a key role in promoting and supporting collaboration between leading McGill aerospace researchers and aerospace industries. Through MIAE, the best and brightest McGill students have the opportunity to participate in projects that allow them to learn about the aerospace industry beyond the classroom.

Booth: 9

Merkurwww.merkur.ca

Merkur has been specialized in technological project management as well as engineering of mechanical and electric systems in the defense, transport, medical and equipment sectors. Moreover, the approach of Merkur is supported on the best practices in project management, operational management and technological development.

Booth: 41**Metal Improvement Company**www.metalimprovement.com

Metal Improvement Company, a subsidiary of Curtiss-Wright, is a world leader in providing metal treatment services for critical components operating in aerospace and other high demand applications. We enhance the performance and extend the life of critical components by helping prevent premature fatigue and corrosion failures to maximize design potential.

Booth: 1**Mission Economique Ubifrance**www.ubifrance.fr

UBIFRANCE, the French Agency for international business development presents you its delegation on the 2011 Aéro Montréal Forum: 2MoRO solutions, Atem, Compose Tools, Dediennne, Jet Cut, Novintec, Pinette Emidecau, Pégase aeronautics and space cluster, ASTech aerospace cluster, Beanair, Comepa, EFJM, JPB Système, Phycosource, Watt Consulting, Reactis and Reaero.

Booth: 42**NRC**www.CNRCaerospatiale.gc.ca

National Research Council Canada (NRC), the country's premier R&D organization, supports industry in critical areas of science and technology innovation. The NRC Institute for Aerospace Research (NRC Aerospace) undertakes and promotes R&D to help the Canadian aerospace industry improve the design, manufacture, performance, use, and safety of aerospace vehicles.

Booth: 16**NSERC**www.nserc-crsng.gc.ca

The Natural Sciences and Engineering Research Council (NSERC) aims to make Canada a country of discoverers and innovators for the benefit of all Canadians. NSERC fosters innovation by encouraging Canadian companies to participate and invest in postsecondary research projects.

Booth: 25**Opsens**www.opsens.com

Opsens is a leading developer and manufacturer of fiber optic sensors based on proprietary patented technologies. Opsens' sensors provide long term accuracy and reliability in the harshest environments. They offer significant advantages to the aerospace industry like elimination of EMC/EMI threats, encumbrance optimization and cost reduction.

Booth: 39**Optech Montréal**www.cctt-optech.ca

Optech is an Applied Research and Technology Transfer Center, specialized in environment fibre optic sensors for monitoring of structural pieces, fluids and machinery components; structured light source; 3D optical metrology; imaging and laser micro-machining. The collaborative research conducted aims in increasing technologies TRL from proof of concept (TRL3) to higher levels.

Booth: 4**PPG Aerospace**www.ppgaersospace.com

PPG Aerospace - PRC-DeSoto is the leading global producer of aerospace sealants (fuel tank, fuselage, windshield, conductive and specialty sealants), coatings (including Strippers and Cleaners) and packaging (Semco). PPG Aerospace - Transparencies is the world's largest supplier of aircraft windshields, windows and canopies.

Booth: 38**Quantis Canada**www.quantis-intl.com

Quantis is a leading life cycle assessment (LCA) consulting firm specialized in supporting companies to measure, understand and manage the environmental impacts of their products, services and operations. Quantis is a global company with offices in Canada, the United States, Switzerland and France.

Booth: 29**Québec International**www.quebecinternational.ca

The mission of Québec International is to contribute to economic development in the Quebec region. Québec International fosters growth and development and supports key business sectors such as Optics in Photonics. The Optics-Photonics Industry Circle (CIOP) regroups the local industry; it supports new initiatives and seeks business opportunity.

Booth: 20**Raymond Chabot Grant Thornton**www.rcgt.com

A member of Grant Thornton International- which operates in more than 100 countries- Raymond Chabot Grant Thornton is a leading Quebec-based accounting and business advisory firm. Using an approach that is adapted to the global context, we are your best ally in bringing about the success of your technological advances.

Booth: 49**Réseau photonique du Québec**www.photoniquequebec.ca

Designer and manufacturer of standard and custom specialty fiber assemblies such as: Bundles, arrays, probes, high power laser cables, vacuum feedthroughs and patchcords. FiberTech Optica is a proud member of the Quebec Photonics Network.

Booth: 32**SA²GE**www.sa2ge.org

In its efforts to fight climate change and emerging environmental regulations by means of research and development activities, Regroupement pour le développement de l'avion plus écologique is a non-profit organization whose the mission is to develop parts and systems more environment-friendly. The project was born out of the 2010-2013 Québec Research and Innovation Strategy (QRIS).

Booth: 53**SIC Marking**www.sic-marking.com

SIC MARKING: Identification that withstands time ! Our exclusive electromagnetic dot-peen technology enables unequalled mark readability. Our offering today consists of the world's most complete range of dot-peen, scribing & laser marking systems, plus unparalleled expertise to respond to your specific marking application on a wide variety of materials.

Booth: 28**Siemens Industry Software**www.siemens.com/plm

Siemens Industry Software, a business unit of the Siemens Industry Automation Division, is a leading global provider of product lifecycle management (PLM) software. Our driving mission is to work collaboratively with companies to turn more ideas into successful products.

Booth: 13**Sinters America**www.sinters.ca

Sinters America provides the aviation industry with engineering and manufacturing services for maintenance and GSE. We have developed various types of test equipment, complex harnesses builds and calibration equipment. Our goal, provide specialized and innovative products which help companies improve processes and manage costs.

Booth: 34**Solaxis**www.solaxis.com

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Booth: 4**STIQ**www.stiq.com

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Solaxis Ingéniosité Manufacturièrewww.solaxis.ca

Solaxis specializes in prototype and real part productions made of thermoplastics. We are specialists in FDM (Fused Deposit Modeling) and SLA (Stereolithography) technologies. We also offer reverse-engineering services (3D scanner) and sourcing services.

Booth: 46**STIQ**www.stiq.com

Founded in 1987, Sous-Traitance Industrielle Québec (STIQ) is an association of Quebec based manufacturers. Its mission is to improve the supply chain efficiency and doing so by helping suppliers to develop their business, diversify their customer base and identify business opportunities with prime manufacturers.

Booth: 13A**Systèmes Tecnohub**www.technolubsystem.com

Systèmes Tecnohub has been developing global concepts both for and with its clients, always with respect for mankind and the environment. Tecnohub offers durable solutions with state of the art technology. Tecnohub proposes a range of micro pulverising systems, adapted to different applications.(specifically for aerospace applications).

Booth: 22**Technoparc Montréal**www.technoparc.com

Technoparc Montréal is a non-profit organization that was created in 1987. A strategic partner of Montreal, City of Knowledge, Technoparc Montréal works with CEGEPs, universities, government bodies, and companies to develop scientific infrastructures on the Island of Montreal.

Booth: 30**TTTech North America**www.tttech.com

TTTech offers airworthy COTS components, networks and design tools for development of reliable networks in avionics platforms and critical control systems. Our product range includes CAN, deterministic Ethernet switches, AFDX® and time-triggered networks (TTEthernet, TTP), used in modern commercial aircraft (Boeing 787, Airbus A380, Bombardier CSeries, Embraer Legacy 450/500).

Booth: 40**US Pavilion**www.buyusa.gov/canada

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