AEROSPACE PROFESSIONAL EDUCATION
BEST PRACTICES IN AEROSPACE MANAGEMENT

PRESENTED BY
McGill
ÉTS
Engineering for Industry

MAY 25-29, 2015 | MONTREAL, QUEBEC, CANADA
MCGILL.CA/CAPE-SUMMER
Join us in Montreal for this unique program designed for engineers and professionals.

Don’t miss this opportunity to broaden your understanding of aerospace industry management best practices and gain valuable insights from leading Canadian experts in one of the world’s top aerospace cities!

The program also includes an exclusive visit to Pratt & Whitney Canada’s installations in Longueuil, Quebec, and is an excellent occasion to network with other aerospace professionals.

Who should attend:

Engineers and professionals working in the aerospace industry, and those who have aerospace companies as their clients or who wish to join this industry in the future.
AEROSPACE BUSINESS & STRATEGY

• Models of strategic planning and their application in aerospace using current case studies
• Key OEM and major current new aircraft development programs
• Tier 1 to 3 ecosystems
• Business model for new products and services and the aftermarket practices
• Roles of other key stakeholders: agencies, regulatory bodies, international associations, alphabet organizations, capital providers.

CLAUDE LAUZON

CORPORATE VICE-PRESIDENT, SALES AND STRATEGIC DEVELOPMENT, CEL AEROSPACE

Claude Lauzon, B.Eng. (Ecole Polytechnique), M.Sc. (Caltech), MBA (HEC) has worked for over 25 years in the Aerospace industry in Business Unit leadership positions including international business development, market analysis, strategic planning, product strategy, and the aftermarket. Claude has in-depth knowledge, relationships and practice in the Aerospace Industry, OEM, Products, Services and MRO and has led teams in Strategy, Marketing, win-win customer and partner relationships and Operations. Mr. Lauzon worked as an executive for Pratt & Whitney Canada, CAE Inc. and was also Vice-President for Pratt & Whitney (USA) at Airbus in Toulouse, France. Mr. Lauzon currently teaches Aerospace Business & Strategy at McGill/ETS Centre for Aerospace Professional Education, as well as Strategic Management to MBA students at HEC Montréal.

5 - 7 PM
OPENING COCKTAIL RECEPTION & NETWORKING
OPERATIONAL EXCELLENCE IN AEROSPACE

- Introduction to operational excellence in aerospace
- Examples of Bombardier Achieving Excellence Systems (AES)
- Developing a system structure
- Balance scorecard
- Training and culture
- Integrating the different tools in daily continuous improvement journey: PDCA, 5S, VSM, root cause analysis, Visual Management, Andon, Kanban, TPM
- Sustaining business alignment and governance

NORMAND SAWYER

MANAGING PARTNER, OPERATIONAL EXCELLENCE, AXELLA CONSULTING

Mr. Sawyer is the co-founder of Axella Consulting, specialized in developing continuous improvement solutions to help customers optimize their operations and accelerate their growth.

Previously, he was Director for the Bombardier Aerospace Integrated Continuous Improvement System AES (Achieving Excellence System), where he supported the deployment of AES practices in New Aircraft Programs C-Series, Learjet 85 and Global 7000-8000. He joined Bombardier Aerospace in 2013 after being with Pratt & Whitney Canada, where he served as Global Manager, ACE program.

Normand is a senior operational excellence expert with a proven track record of optimizing operational performance. He collaborates with leadership teams to improve key performance indicators in both manufacturing and business-process-oriented environments.
AVIATION REGULATION & CERTIFICATION

- Civil Aviation Regulatory Framework, ICAO
- Organization & function of Transport Canada, FAA, EASA
- Key regulations for aeronautical product design, certification, production, modification, repair & operation
- Product design standards
- Type certification requirements and process
- Continuing airworthiness
- Bilaterals / international agreements & validation of aeronautical products
- Safety Management Systems (SMS).

JODI (JOANNE) DIAMANT

CHIEF ENGINEER, AIRWORTHINESS & CERTIFICATION, PRATT & WHITNEY CANADA

Jodi Diamant has been extensively involved in aeronautical product design and certification and associated rulemaking, policy and processes since graduating in 1987 from the University of Toronto with a B.A.Sc. and M.A.Sc. in Aerospace Engineering. She is a Chief Engineer, Airworthiness and Certification at Pratt & Whitney Canada (P&WC), responsible for company engine certification and delegation systems in compliance with ICAO and Canadian regulations, and co-lead on Safety Management Systems at P&WC.

Prior to joining P&WC, she was with Transport Canada for 18 years involved in aeronautical product certification, delegations and regulatory development. From 2002 until 2006 she was the Chief, Engineering of the Aircraft Certification Branch.
• Program and project management (PM) context Versus Product management
• PM processes, including effective management of project scope, risk, schedule, cost, quality, communication, HR, stakeholders and integration.
• Quality improvement programs
• PM tools, leadership, pitfalls, project phases and gating, choices to make
• The Project Management Office

PETER ROSENTHAL

INDUSTRIAL TECHNOLOGY ADVISOR
NATIONAL RESEARCH COUNCIL CANADA, INDUSTRIAL RESEARCH ASSISTANCE PROGRAM

Peter Rosenthal holds a Bachelor of Mechanical Engineering degree from McGill University and an M.B.A. from The John Molson School of Business, and is a member of the Ordre des ingénieurs du Québec.

He started his career in 1990 working as a Mechanical Design Engineer in avionics design and development. He has since held positions in Project Engineering, Program and Product Management managing multi-million dollar development and manufacturing programs in the Aerospace industry.

He is a certified Six Sigma Black Belt and was nominated for the distinguished teaching award while working as a part time instructor at the John Molson School of Business.
MANAGING A COMPLEX SUPPLY CHAIN IN A COMPETITIVE ENVIRONMENT

- Suppliers
- Competitiveness
- Manufacturing strategy
- Performance management
- New program execution
- Selection process
- Engagement
- Corporate social responsibility
- Risk management
- Integration
- Partnership
- Globalization
- Offsets
- Market access.

NANCY BARBER

SENIOR DIRECTOR, BOMBARDIER BUSINESS AIRCRAFT, DEVELOPMENT PROGRAM PROCUREMENT, BOMBARDIER

Nancy Barber was appointed to her current position as Senior Director, Development Program Procurement, Bombardier Business Aircraft, in September 2014. As part of Bombardier’s mandate for flawless execution, Ms. Barber leads the Procurement team responsible for new aircraft, including derivative programs for Business Aircraft. Her responsibilities also include ownership of fly-by-wire systems for the CSeries, Global 7000 and Global 8000 Programs.

Boasting a 15-year career with Bombardier Aerospace, Ms. Barber has held several key roles with Bombardier Aerospace, including production, quality, customer delivery center, and In-Service Supplier Management. Previous to her current role, she held the position of Director, Supply Chain, CSeries Program working with Bombardier Aerospace’s major suppliers to ensure program execution.

Ms. Barber graduated from the University of Waterloo with an Honors Bachelor of Arts.

1:30 - 2:30 PM
PRESENTATION: ACHIEVING COMPETITIVE EXCELLENCE (ACE) AT PRATT & WHITNEY CANADA
MARC DROLET, MANAGER, ACHIEVING COMPETITIVE EXCELLENCE (ACE)
PRATT & WHITNEY CANADA

2:30 - 3:30 PM
INDUSTRIAL VISIT: PRATT & WHITNEY CANADA

4 - 6 PM
CLOSING RECEPTION
REGISTER ONLINE: MCGILL.CA/CAPE-SUMMER

REGULAR PROGRAM FEES: 1 week: CAD $2,395
Registration fee per day: CAD $595 (for those who wish to attend 1 or 2 days only)

PROMOTIONAL FEES: Early Bird Registration - 10% discount for registrations before April 1, 2015
Members of Aéro Montréal, CERBA, AACO, AIAC, AHS and CASI, and partners of CCAA benefit from 15% discount (cannot be combined with the “Early Bird” discount)

INCLUSIONS: Opening Reception, Industry Visit, Closing Reception, morning & afternoon refreshments daily.

VENUE: École de technologie supérieure (ÉTS), AÉROÉTS, 323 Peel Street, Montreal, (Quebec), Canada H3C 3R9

ABOUT THE CENTRE FOR AEROSPACE PROFESSIONAL EDUCATION
McGill University and École de technologie supérieure (ÉTS) have partnered to offer a new joint professional development program geared towards aerospace engineers and professionals. The Centre for Aerospace Professional Education (CAPE) project aims to bring together leading experts and practitioners to offer world-class courses, workshops and seminars of relevance to the aerospace industry.

For more information: www.mcgill.ca/cape

ABOUT MCGILL UNIVERSITY
McGill University is one of Canada’s best-known institutions of higher learning and one of the leading universities in the world. With students coming to McGill from some 150 countries, McGill’s student body is the most internationally diverse of any research-intensive university in the country. McGill was founded in 1821 thanks to a generous bequest by James McGill, and since then, we’ve grown from a small college to a bustling university with two campuses, 11 faculties, some 300 programs of study, and more than 39,500 students.

McGill is recognized around the world for the excellence of its teaching and research programs. McGill’s 250,000+ graduates form a vast global network, with many alumni reaching the top of their professions as Supreme Court Justices, award-winning authors and musicians, astronauts and more.

For more information: www.mcgill.ca

ABOUT ÉTS
Part of the Université du Québec network, 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. Almost one of every four engineers in Québec graduates from ÉTS. The school welcomes upwards of 7,600 students, including more than 2,000 at the post-graduate level. Specialized in applied training and research in engineering, ÉTS has developed a unique partnership with businesses and industry.

For more information: www.etsmtl.ca