

CAPE CENTRE AÉROSPATIAL
DE PERFECTIONNEMENT
CENTRE FOR AEROSPACE
PROFESSIONAL EDUCATION

AEROSPACE PROFESSIONAL EDUCATION BEST PRACTICES IN AEROSPACE MANAGEMENT

PRESENTED BY



McGill

ÉTS

Engineering for Industry

MAY 29 - JUNE 2, 2017 | MONTREAL, QUEBEC, CANADA

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IN COLLABORATION WITH

AÉRO
MONTREAL

BEST PRACTICES IN AEROSPACE MANAGEMENT

MAY 29-JUNE 2, 2017: Register for the one-week program or for one or more individual sessions.

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 industry visit (company to be announced), 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.

MONDAY, MAY 29, SESSION 1 | 9 - 5 PM



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

TUESDAY, MAY 30, SESSION 2 | 9 - 5 PM



PROGRAM MANAGEMENT IN AEROSPACE

- 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
- The Project Management Office

PETER ROSENTHAL

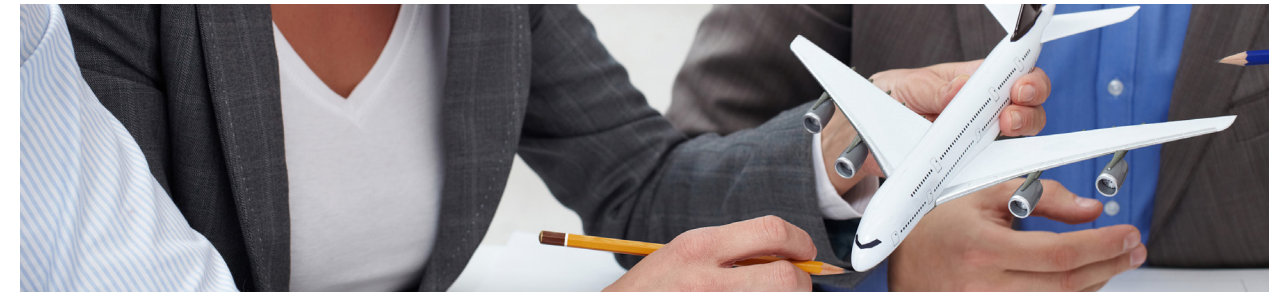
INDUSTRIAL TECHNOLOGY ADVISOR
NATIONAL RESEARCH COUNCIL CANADA, INDUSTRIAL RESEARCH ASSISTANCE PROGRAM

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, responsible for 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.

WEDNESDAY, MAY 31, SESSION 3 | 9 - 5 PM



AIRCRAFT & SYSTEM CERTIFICATION

- History of Certification, ICAO, Certification context, terminology and responsibilities
- Airworthiness Regulations, Standards, Advisory Circulars and Technical Standard Orders
- Certification process and plans. Compliance and exceptions
- A generic case analysis

MAXENCE VANDEVIVERE

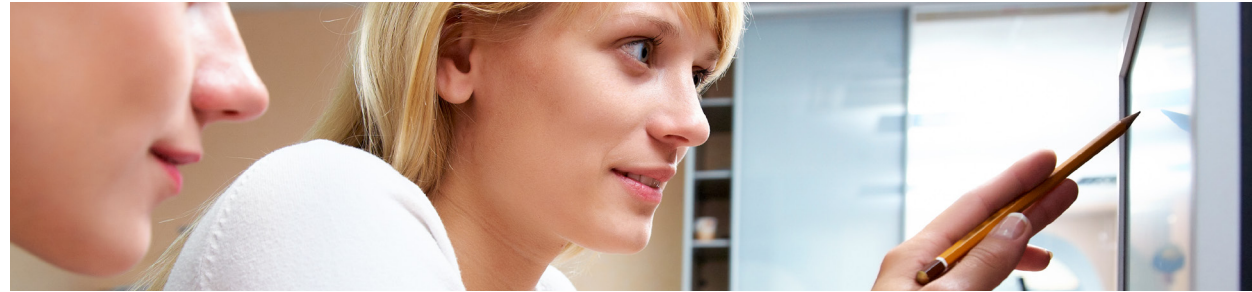
FLIGHT OPERATIONS AND AVIONICS ENGINEER
CENTRE TECHNOLOGIQUE EN AÉROSPATIALE

Maxence is an embedded software and control engineer. He started his career as production engineer for Thales Avionics. Following his graduation in Business Management in 2001, he moved to Canada to lead the partnership between Esterel Technologies and Engenuity aiming at developing the SCADE/SCADE display business in North America. His 10 years of key contributions to SCADE deployment at PWC opened the doors for a 2-year contract in gas turbine simulation. He then moved to the right seat of Marin-vent's Piaggio Avanti where he learnt flight test techniques and flight operations.

Since November 2015, Maxence has been leading the Avionics and Flight operations groups at CTA. He also manages the OPAIR program.

An Instrument Rated Multi Engine Flight Instructor, Maxence teaches Master's level courses at ETS. He holds a MBA from HEC Montreal.

THURSDAY, JUNE 1, SESSION 4 | 9 - 5 PM



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.

His experience in aerospace includes global companies such as Bombardier, Pratt & Whitney, Embraer and their supply chain such as Chromalloy, Meggitt, WSK and others.

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.

FRIDAY, JUNE 2, SESSION 5 | 9 - 12 NOON



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

**VICE-PRESIDENT, PROGRAM MANAGEMENT
GLOBAL 7000/8000 PROGRAM, BOMBARDIER BUSINESS AIRCRAFT**

In April 2016, Nancy Barber was appointed Vice President, Program Management, Global 7000/8000 Program. She is responsible for the proactive management of program milestones and cost commitments. Prior to this role, she held the position of Senior Director, Development Program Procurement and Supplier Readiness for the Global 7000/8000 Program. She has also led the Procurement teams responsible for new aircraft programs, including the C Series and derivative programs for Business Aircraft.

Ms. Barber joined the company in 1998. She held several key position with increasing responsibility, including Production, Quality, Customer Delivery Centre, In-Service Supplier Management and Supply Chain.

She graduated with an Honours Bachelor of Arts from the University of Waterloo, and is published in the Journal of Sport Management.

Ms. Barber is based in Toronto, Canada.

1:30 - 3:30 PM

INDUSTRIAL VISIT (COMPANY TO BE ANNOUNCED)

4 - 6 PM

CLOSING RECEPTION, MCGILL

HOW TO REGISTER

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 on registrations received by April 15, 2017

Members of **Aéro Montréal**, **CERBA**, **AIAC**, **AHS** and **CASI**, and partners of **CCAA** benefit from 15% discount (cannot be combined with the “Early Bird” discount)

Student Discount: Full-time graduate and post-graduate students are eligible for a 50% discount. Interested students should contact us directly.*

INCLUSIONS:

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

VENUE:

École de technologie supérieure (ÉTS), rue Notre-Dame ouest, Montreal, (Quebec), Canada H3C 1K3

ABOUT THE CENTRE FOR AEROSPACE PROFESSIONAL EDUCATION

McGill University and École de technologie supérieure (ÉTS) have partnered to offer a 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 39,988 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 8,000 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

* Promotional fees cannot be combined with member rates.

