



# Special Events

## Opening Plenary Session

Tuesday 18, October

Saint Exupery Auditorium - Level 2

08:30 – 10:30

### Keynotes Speakers:



**Thomas Enders**  
Chief Executive Officer  
Airbus

Mr. Enders is a member of the EADS N.V. Executive Committee since 2000 and President of the German Aerospace Industry Association (BDLI) since 2005. He works in the aerospace & defense industry since 1991.

Prior to joining industry, he worked in the German Ministry of Defense and in various foreign policy think tanks.

Mr. Enders studied Economics, Political Science and History at the University of California and the University of Bonn where he received a doctorate.



**John R Slosar**  
Chief Executive  
Cathay Pacific Airways

John Slosar became the Chief Executive at Cathay Pacific on 31 March 2011. He joined the Swire group in 1980 and has worked with the group's Aviation Division in Hong Kong, the United States and Thailand. He was appointed Managing Director of Hong Kong Aircraft Engineering Co Ltd in 1996, Managing Director of Swire Pacific's Beverages Division in July 1998 and Chief Operating Officer of Cathay Pacific in July 2007. On 1 July 2010, he was appointed Chairman of Swire Beverages in addition to his current role at Cathay Pacific.

Mr Slosar is also Chairman of Hong Kong Dragon Airlines Ltd and on the boards of Cathay Pacific Airways Ltd, John Swire & Sons (H.K.) Ltd, Swire Pacific Ltd and Swire Beverages.

Mr Slosar is a graduate of both Columbia University and Cambridge University.

## **Executive Panel**

**Tuesday 18, October**

**Saint Exupery Auditorium - Level 2**

**10:30 – 12:00**

**Panel Theme - "Eco-efficient Innovation Leading the Future of Aviation"**



**Charles Champion**  
Executive Vice President of Engineering  
Airbus

Charles Champion was appointed Executive Vice President of Engineering effective 1 April 2010. He is also a member of the Airbus Executive Committee.

Champion began his professional career in 1980 as an engineer in aerodynamics with Aérospatiale. He held various positions in the aircraft division's production department before being placed in charge of the single-aisle aircraft final assembly lines from 1988 to 1992.

In 1993, Champion was promoted to Director of Airbus Programmes at Aérospatiale's headquarters in Paris. He became managing director of the Future Large Aircraft military transport project, now known as the A400M, in 1995.

Champion joined Airbus in 1998 as Vice President of Sales for Eastern and Southern Europe and the C.I.S, and was in charge of Airbus' commercial activities for some 25 countries. From May 1999 until 2001, he held the position of Product Executive for Airbus' Single-Aisle Programme, before being appointed Head of the A380 Programme in 2001. In April 2007, Champion was named Executive Vice President Customer Services for Airbus.

Born in 1955 near Paris, France, Champion holds a Master of Science degree from Stanford University.



**Willie Walsh**  
Chief Executive Officer  
British Airways

Willie Walsh became chief executive of International Airlines Group (IAG) in January 2011, joining from British Airways where he was chief executive from October 2005.

IAG is the holding company of British Airways and Iberia. It is one of the world's largest airline groups with more than 400 aircraft flying to 200 destinations and carrying more than 55 million passengers each year.

At British Airways, Willie guided the company to its first-ever 10 per cent operating margin in 2007 and introduced permanent changes across the airline to bring it through the worst recession in aviation history in 2008/9. He secured the airline's long-term strategic objective to establish a transatlantic joint business with American Airlines and Iberia and set up the merger with Iberia that led to the formation of IAG.

Prior to joining British Airways, he was chief executive at Aer Lingus, a position he was appointed to in the aftermath of 9/11. Faced with bankruptcy and heavy losses, Willie radically restructured the airline and this culminated in it posting an €107 million profit in 2004, making Aer Lingus the most profitable state-owned airline in the western world.

Born in Dublin in 1961, Willie joined Aer Lingus in 1979 as a cadet pilot and worked his way through the ranks to become a captain in 1990. He began his move to management in 1989 where he fulfilled various roles in the flight operations department. He completed a Master of Science in Management and Business Administration at Dublin's Trinity College in 1992.

His managerial skills led him to being appointed chief executive of Futura, Aer Lingus' Spanish charter airline in 1998. He returned to Dublin with Aer Lingus in 2000 where he took up the role of chief operating officer and was subsequently appointed as chief executive in October 2001.

Willie is married with one daughter. He enjoys all sports, especially football and golf.



**Micheal Kerkloh**

Chief Executive Officer

FMG Flughafen München GmbH

Dr. Michael Kerkloh has been heading FMG Flughafen München GmbH since September 2002. He is the chairman of the management board. Dr. Kerkloh was born and raised in the Westphalian town of Ahlen and, after completing secondary school and serving in the army, he studied economics in Göttingen, London and Frankfurt. He graduated in 1979 and worked as an assistant lecturer for economic policy at Frankfurt University until 1985.

**John T. Kefaliotis**

Vice President

ITT Corporation

Mr. Kefaliotis is the lead for strategy development for ITT's Air Traffic Management business. His duties include strategic planning for this important ITT business area, identifying and leading major program pursuit activities, and providing overall leadership for ITT's commercial business in the aviation market space. Among recent activities he led ITT's successful ADS-B proposal effort, served as the ADS-B Program Director having overall responsibility for this \$1.8B NextGen initiative, led ITT's winning SE2020 pursuit, and has been active in commercializing the extensive air traffic surveillance data set resident in the ADS-B network maintained by ITT.

Mr. Kefaliotis has 40 years of experience in the air traffic control arena. From 1970 to 1983 Mr. Kefaliotis was an FAA employee serving as an air traffic controller, an air traffic control facility staff specialist, a supervisor and manager in air traffic control facilities, and as an air traffic control research and development program project manager. Mr. Kefaliotis has both terminal and en route experience serving in the Oakland and Chicago Air Route Traffic Control Centers and in the Cleveland Air Traffic Control Tower. From 1983 until the present Mr. Kefaliotis has served as an engineer and executive level employee with Stanford Telecommunications, Inc. and subsequently, after purchase by ITT of Stanford Telecom, with ITT Corporation focusing on ATC system engineering and development activities.

**SAE 2011 AeroTech Welcome Reception****Tuesday 18, October****Exhibition Areas****17:30 – 18:30****Awards Luncheon****Wednesday 19, October**

## Foyer Saint Exupery – Level 2

12:30 – 13:30

Sponsored by:



## Awards Presentations and Littlewood Lecture

Wednesday 19, October

Saint Exupery Auditorium – Level 2

13:30 – 15:00

### Awards Presentations

Before the lecture, the following awards will be presented to honor those who have contributed significantly to technological advancements and to the success of SAE International:

- Forest R. McFarland Award
- Charles M. Manly Memorial Medal
- Cliff Garrett Turbomachinery and Applications Engineering Award
- Ralph R. Teetor Educational Award
- SAE Aerospace Chair Award
- Technical Standards Board Outstanding Achievement Award
- Thomas H. Speller, Sr. Award
- William Littlewood Memorial Lecture Award
- Wright Brothers Medal

### William Littlewood Memorial Lecture Award

Speaker:



**Mark Drela**

T.J. Kohler Professor of Fluid Dynamics  
Massachusetts Institute of Technology

**Design Drivers of Energy-Efficient Transport Aircraft (2011-01-2495)**

Professor Drela currently is the Terry J. Kohler Professor of Fluid Dynamics at the MIT Department of Aeronautics and Astronautics. He joined the faculty there in January 1986. His primary research interests are in low speed and transonic aerodynamics, design and performance of aircraft and aeromechanical devices, and computational

aerodynamic design methodology. He has developed a number of computational aerodynamic design/analysis codes currently being used in the aircraft and gas turbine industry. He has also developed tools for analysis and design of control systems for highly aeroelastic aircraft. He teaches aircraft design fundamentals, external aerodynamics, and fluid mechanics of boundary layers at the undergraduate and graduate levels. Professor Drela participated extensively in the Chrysalis, Monarch, and Daedalus human-powered aircraft projects at MIT, the latter setting the world record for distance (116km) and duration (4.0 hours) in 1988. He also was the advisor and pilot for the MIT Human-powered Hydrofoil Project (1989-1993), which holds the current human-powered watercraft world speed record of 18.5 knots in 1991. Since 1996 he has worked as a consultant for numerous R\&D projects in aircraft, turbomachinery, bicycles, and America's Cup sailboats. He has been active in Free-Flight and Radio-Control model aircraft since childhood. Professor Drela obtained his SB (1982), SM (1983), and PhD (1985) from the Massachusetts Institute of Technology, in the Department of Aeronautics and Astronautics. He is an AIAA Fellow, and a member of the NAE.

## **SAE 2011 AeroTech Pre-Banquet Reception**

**Wednesday 19, October**

**Exhibition Areas**

## **SAE 2011 AeroTech Banquet**

**Wednesday 19, October**

**Airbus Delivery Center**

**19:00 – 21:00**

**Sponsored by:**



**Keynote Speaker:**



**Axel Krein**  
Senior Vice President Research & Technology  
Airbus

In 2007, Axel Krein was nominated as Senior Vice President Research and Technology at Airbus. He leads R&T from Strategy to Programme Management for all Research activities, including Partnership Management, Business Development, Intellectual Property and the Airbus Innovation Cell.

Prior to this role, Axel held the position of SVP Strategic Development. He also oversaw the development of strategies for Airbus strategic countries and business intelligence.

Between December 2005 and December 2006, Axel led the definition of Airbus' industrial strategy for Russia and the related negotiations with the Russian stakeholders.

Between 2000 and 2004, he was SVP and Chief Information Officer

Axel joined Airbus in Hamburg in 1992 and held various positions in the Engineering Division, from Future Projects to Standardisation and Engineering Methods & Support, before being nominated VP Information Services at Airbus Industrie in 1999.

Before joining Airbus, Axel was Managing Director of a transport company and worked in air traffic control at the German Airforce.

Axel holds a Masters in Mechanical Engineering majoring in Aerospace Engineering from the Technical University of Aachen and worked at the university in the field of hypersonic space transportation.

He lives in Toulouse, with his wife and two children.

### **Awards to be presented at the banquet:**

- Clarence L. (Kelly) Johnson Aerospace Vehicle Design and Development Award
- Franklin W. Kolk Air Transportation Progress Award
- Marvin Whitlock Award
- SAE Aerospace Engineering Leadership Award
- SAE Aerospace Engineering Distinguished Executive of the Year
- Steven M. Atkins Ability and Achievement in Science, Engineering, and Technology Award

# Committee on Aviation Environmental Protection (CAEP) Review of Advanced Aero-Engine Combustor Designs for Reducing Aviation NOx Emissions

Thursday 20, October

Ariane 2 – Level 1

08:00 – 17:30

The current structure of the Committee includes three working groups and four support groups. The working groups deal with the technical and operational aspects of noise and emissions reduction and mitigation. CAEP Working Group 3 focuses on emission technical issues, including the updating of ICAO Annex 16, Volume II, as well as monitoring the development of low emissions technology. This event is intended to provide and international input on NOx reduction technology development.

Chairs – Roger Worth (UK DfT) and Curtis Holsclaw (US FAA)

Time	Description
8:00 – 10:00	<b>Opening Plenary Session</b> <b>Welcome / Introductions</b> Paul Madden, ICCAIA <b>State of the Sciences</b> Presenter from impact Sciences Group, David Lee, MMU <b>Recent Certification and Near Term Technology (Part 1)</b> Paul Madden, Rolls-Royce Kian McCaldon, Pratt & Whitney Canada
10:00 – 10:30	<b>Networking Break</b>
10:30 – 12:00	<b>Recent Certification and Near Term Technology (Part 2)</b> Will Dodds, GE Rudy Dudeout, Honeywell Carine Cortet, Snecma
12:00 – 13:30	<b>Networking Lunch</b>
13:30 – 15:00	<b>Combustion Near-Term Research Status</b> James Hoke, Pratt & Whitney Michael Foust, GE Ken Young, Rolls-Royce
15:00 – 15:30	<b>Networking Break</b>
15:30 – 17:30	<b>Combustion Near and Far-Term Research Status</b> Fujiwara Hitoshi, Japan <b>NASA's Fundamental Aeronautics Subsonic Fixed Wing and Integrated Systems Research Program ERA: Emissions Portfolio</b> Dan Bulzan, NASA



