SPEAKER BIOGRAPHIES

GREENER BY DESIGN CONFERENCE
AVIATION AND THE NET ZERO EMISSIONS CHALLENGE

This Conference is Proudly Sponsored by:

Lead Sponsor: AIRBUS
Proceedings Sponsor: Shell Aviation
Drinks Reception Sponsor: Shell Aviation

7 NOVEMBER 2019 / LONDON

GEOFF MAYNARD, CHAIR, RAeS GREENER BY DESIGN SPECIALIST GROUP & MANAGING DIRECTOR, ALTRA CAPITAL LTD
Not available.

KEVIN MORRIS FRAeS, DIRECTOR, K AND J MORRIS LTD
Kevin has nearly 40 years of professional experience with both airlines and aerospace manufacturers, of which the last 30 have been involved with the environmental impacts of aviation. He has recently set up his own aviation and environmental consultancy business. He has been involved with ICAO’s environment committee, CAEP, since 1991 leading several tasks creating international guidance on a number of environmental issues. He has also contributed and acted as expert reviewer of the IPCC special report “Aviation and the Global Atmosphere”, and measured air quality at points across Heathrow airport. Kevin is a Fellow of the Royal Aeronautical Society.

1) PROFESSOR PIERS FORSTER, MEMBER, UK COMMITTEE ON CLIMATE CHANGE & DIRECTOR PRIESTLEY INTERNATIONAL CENTRE FOR CLIMATE, UNIVERSITY OF LEEDS
Professor Piers Forster has been appointed to the Committee on Climate Change (CCC) by the Minister for Energy and Clean Growth, Claire Perry MP, and the devolved administrations. Professor Forster is Director of the Priestley International Centre for Climate and Professor of Physical Climate Change at the University of Leeds. He takes up the post of climate scientist on the Committee for a five-year term. Piers has played a significant role authoring Intergovernmental Panel on Climate Change (IPCC) reports, and currently has a coordinating lead author role for the IPCC sixth assessment report. As well as his research career, he established the forest protection and research charity, the United Bank of Carbon and has a few roles advising industry, including membership of the Rolls Royce Environment Advisory Board.

2) MICHAEL GILL FRAeS, EXECUTIVE DIRECTOR, AIR TRANSPORT ACTION GROUP
Michael Gill is Executive Director of the Air Transport Action Group (ATAG), the only global association that represents all sectors of the air transport industry. Its mission is to promote aviation’s sustainable growth for the benefit of global society. He was also appointed as Director, Aviation Environment of the International Air Transport Association (IATA) in November 2013, with responsibility for developing and implementing IATA’s work in the environment field, particularly in the areas of climate change, noise, biofuel commercialisation and the IATA environmental assessment programme. Prior to that, he spent six years as senior legal counsel in IATA, supporting IATA’s external affairs portfolio. In that role, he led IATA’s delegation to three ICAO diplomatic conferences on airline regulatory and security issues. Before joining IATA in May 2007, Michael was an aviation lawyer in private practice at the Paris Bar, acting for airlines and their insurers.

Michael holds law degrees from both King’s College, London and the Sorbonne University in Paris, as well as a master’s degree from the University of Edinburgh. He is admitted as a solicitor of the Supreme Court of England and Wales and an avocat in France.

3) TIM JOHNSON, DIRECTOR, AVIATION ENVIRONMENT FEDERATION
Tim is the Director of the UK-based Aviation Environment Federation (AEF), an NGO dedicated to tackling aviation’s environmental impacts, and has nearly thirty years expertise in the aviation and environmental field. He is a lead representative for the environmental NGOs at the ICAO where he co-leads task groups set up by the Committee on Aviation Environmental Protection (CAEP) to develop the “offset eligibility criteria” for use in CORSIA, and to review ICAO’s carbon calculator.

He is a member of the Department for Transport’s Airspace
PROFESSOR PETER BEARMAN FRAeS, EMERITUS PROFESSOR OF EXPERIMENTAL AERODYNAMICS, IMPERIAL COLLEGE

Peter Bearman is a member of the Department of Aeronautics at Imperial College, London and holds the title: Emeritus Professor of Experimental Aerodynamics. His first degree and PhD were undertaken at Cambridge University.

Peter’s professional career began in 1965 as a Government Scientist at the National Physical Laboratory where he was a member of the Industrial Aerodynamics Group. In 1969 he moved to Imperial College where he was Head of the Department of Aeronautics from 1989-98, then a Pro Rector until 2001, followed by 3 years as Deputy Rector.

4) PROFESSOR IAN POLL FRAeS, EMERITUS PROFESSOR OF AEROSPACE ENGINEERING, CRANFIELD UNIVERSITY

Ian Poll is a Emeritus Professor of Aerospace Engineering at Cranfield University and CEO of Poll Aero Sciences Ltd. He has held senior academic posts at the University of Manchester (Professor of Aerospace Engineering 1987-1995), Head of Department of Engineering (1991-1993) and at Cranfield University (Head of College of Aeronautics 1995-2001), Director CCoA 2001-2004). He has also founded and managed two technology-based companies. Flow Science Limited (1990), Cranfield Aerospace Limited (1997) Chairman of the Defence Scientific Advisory Council to the UK MoD (2011-14) and a member of the Home Office Scientific Advisory Committee and the Natural Environment Research Council (2014-18).

Ian is a Council Member of the Royal Academy of Engineering (2004-07) and a Council Member of the Royal Aeronautical Society (1996-2010), he was the 74th RAeS President (2001) and President of the International Council of the Aeronautical Sciences (2008-10).

Ian is also an Honorary Fellow of the AIAA (2012), he was awarded the OBE in 2002.

5) OLIVER FAMILY MRAeS, HEAD OF OVERALL AIRCRAFT DESIGN - E-FAN X, AIRBUS

Oliver has worked in the UK and France on aircraft systems, flight test, aerodynamics, aircraft performance and overall aircraft design for all modern Airbus aircraft. He is currently responsible for overall aircraft design of the E-Fan X Hybrid Electric Aircraft Demonstrator. He is a chartered engineer with the RAeS.

6) ADAM MORTON, HEAD OF ENVIRONMENTAL TECHNOLOGY, ROLLS-ROYCE

Not available.

7) MATT GORMAN, DIRECTOR OF SUSTAINABILITY, HEATHROW AIRPORT

Matthew has been Sustainability & Environment Director at Heathrow for the last 10 years. He leads the team that developed “Heathrow 2.0”, the airport’s leadership plan for sustainable growth, launched in 2017. He is a member of the company’s leadership team and played a key role in developing the new approach to expansion - putting local communities and environment at the heart of the airport’s growth plans. Those plans were recommended by Airports’ Commission, supported by the Government, and won strong parliamentary backing in June 2018. Matthew works closely with business, government stakeholders in the UK, Europe and internationally. He chairs the Heathrow Community Noise Forum, engaging a range of neighbouring borough. He is a Council member and past Chair of Sustainable Aviation, a unique coalition of UK airlines, aircraft and engine manufacturers and airports which promotes cleaner, quieter, smarter flying.

8) DR JARLATH MOLLOY, ENVIRONMENTAL AFFAIRS MANAGER, NATS

Jarlath works in NATS’ Environmental & Community Affairs team and focuses on airspace efficiency and CO2 emissions, as well as leading on NATS’ responsibility business policy, including non-financial reporting and compliance. Jarlath has worked in academia, industry, international policy making and NGO sectors, and is also a Chartered Physicist.

LORD ADAIR TURNER, CHAIRMAN, ENERGY TRANSITIONS COMMISSION

Lord Turner chairs the Energy Transitions Commission, a global coalition of major power and industrial companies, investors, environmental NGOs and experts working out achievable pathways to limit global warming to well below 2°C by 2040 while stimulating economic development and social progress. He was chairman of the Institute for New Economic Thinking until January 2019, where he remains a Senior Fellow.

He was also appointed Chairman of Chubb Europe in 2017, is a non executive director of Prudential plc., and a Trustee at the British Museum. In December 2018 he joined the Advisory Board of Envision Energy, a Shanghai-based group focussed on renewable energy, batteries and digital systems.

ROBERT WHITFIELD FRAeS, COMMITTEE MEMBER, RAeS GREENER BY DESIGN SPECIALIST GROUP

Robert is a Cambridge economics graduate, a Chartered Accountant and an INSEAD MBA, with an MA in Environmental Policy. Robert spent 30 years in international business, including 15 with the Airbus partnership as Director of Business Development and later Director of Strategy and External Affairs in the UK and SVP Finance of Airbus Industrie in Toulouse. Since 2000, Robert has focused on the environment, working with Government, business and the NGO community. A long-standing member of the Greener by Design Specialist Group, he was instrumental in the establishment of Sustainable Aviation.
and is working on sustainable biofuel feedstock.

9) DR MICHELLE CARTER, HEAD OF TRANSPORT, KNOWLEDGE TRANSFER NETWORK
Michelle is Head of Transport at the Knowledge Transfer Network (KTN), the UK’s innovation network. Michelle oversees KTN’s Transport & Mobility activities including rail, maritime, CAV, Low/Ultra Low Emission Vehicles, aviation, Mobility as a Service plus the systems and services associated to delivering them. The team help innovative businesses access R&D funding and find expertise, services or technology to help them innovate and grow whilst developing and implementing transformative mobility solutions. Michelle works with Innovate UK, Department for Transport and Sustainable Aviation on driving the sustainable aviation fuel industry in the UK.

9) KEITH BUSHELL, UK STAKEHOLDER MANAGER – ENVIRONMENTAL AFFAIRS, AIRBUS
Keith has developed a career focused on the industry and the environment and has worked at Airbus for 10 years having spent the previous 22 years in the automotive industry. At Airbus he spent four years as UK Environment Health and Safety Materials Specialist (REACH Co-ordinator) before he became UK Environmental Affairs Stakeholder Manager, his current role. In this role he has been heavily involved with major UK aviation industry stakeholders working in areas of key environmental importance including Sustainable Aviation Fuels, Noise and Climate Change. He is further involved with operational improvements, noise reduction and Air Quality. He is the past chair of the ADS Environmental Working Group and Hazardous materials working group. He is the Airbus Council representative for Sustainable Aviation, the Chair of the new integrated Cleaner work stream and has led the work on the 2019 UK Sustainable Aviation Carbon Reduction Roadmap. He is also the Airbus lead on Noise for Environmental affairs.

10) LIZZIE GERMAN, SENIOR CONSULTANT, E4TECH
Lizzie is a senior consultant at E4tech, an international consultancy in low carbon energy and sustainability. Lizzie has degrees in Chemistry and Sustainable Energy and specialises in low-carbon fuels and sustainability assessments. Lizzie works with government and industry to address the technical, economic and policy challenges to the decarbonisation of the transport sector and has in particular worked on novel fuel production technologies such as advanced biofuels and power-to-liquids. She has recently led the development of a roadmap for sustainable aviation fuel in the UK for the industry group Sustainable Aviation UK.

11) BRYAN STONEHOUSE MRAeS, GLOBAL AVIATION BIOFUELS & CARBON MANAGER, SHELL AVIATION
Bryan joined Royal Dutch Shell in 1996 after a short stint in the Aerospace Division at the UK Department of Trade & Industry where he was involved with the UNEP/ICAO program looking at new emissions standards for civil aviation. Prior to his current role in Shell Aviation, Bryan spent 18 years in Shell Trading working in multiple geographies including 7 years as senior jet fuel trader in Houston and Dubai. During his time in trading and supply, he worked closely with many of Shell’s major airline customers and has been involved in most of our supply chain operations across the globe, delivering and managing commercial business development and deal structures in over 30 countries. Within Shell Aviation, Bryan has been responsible for setting up Shell’s first sustainable aviation fuel supply chains and developing our partnership program with key stakeholders including our Nature Based Solutions and CO2 offset programs. In addition, the aviation price risk and global aviation fuels pricing team also sit under his portfolio of current activity. As well as his original degree, BSc Economics, Bryan has an MSc from Cranfield University and is a member of the Royal Aeronautical Society and the Air Transport Group in the society.

12) ELENA SCHMIDT, STANDARDS DIRECTOR, ROUNDTABLE ON SUSTAINABLE BIOMATERIALS
Elena has more than 10 years of experience working with biomass, biofuel and biomaterial sustainability standards, greenhouse gas assessments and certification, Elena leads RSB’s standards and policy unit. Prior to the RSB, she worked for an international certification body, where she was responsible for innovation management and programmes related to biofuel sustainability certification, green electricity labels and carbon footprints. She supports organisations in implementing sustainability criteria in SAF supply chains and serves as a technical advisor to the International Civil Aviation Organization (Alternative Fuels Task Force and Fuel Task Group).

ROGER WILTSHIRE FRaes, COMMITTEE MEMBER, RAeS GREENER BY DESIGN SPECIALIST GROUP
In 2000, following a thirty year career at British Airways, Roger Wiltshire became Secretary General at the British Air Transport Association (BATA). He represented the UK-registered airlines during the next ten years, a period which saw key developments in the airlines’ and broader aviation industry’s environmental strategy including the establishment of the Sustainable Aviation initiative in the UK. BATA was an early member of Greener by Design and, following his retirement in 2010, Roger “re-joined” GbD Executive Committee and continues to take a keen interest in the issue of aviation and the environment.

13) CHRIS LYLE FRaes, CHIEF EXECUTIVE, AIR TRANSPORT ECONOMICS
Chris Lyle is a veteran of British Airways, the UN Economic Commission for Africa, ICAO where he was for some years a Director with responsibilities encompassing work on environmental protection) and the UN World Tourism Organization (as Representative to ICAO). He is a Fellow of the Royal Aeronautical Society and was founding Chairman and is ongoing Committee member of the Society’s Montreal Branch.

Chris is currently Chief Executive of the Canada-based consultancy Air Transport Economics. He has been actively
involved in aviation emission-mitigation policy since before the adoption of the Kyoto Protocol in 1997.

14) EVA WEIGHTMAN, DIRECTOR, AVIATION, INTERNATIONAL EMISSIONS TRADING ASSOCIATION
Eva has over 15 years of experience in the business and environmental sector. In IETA she is currently following the developments in CORSIA and aviation. She is also responsible for membership development and recruitment. Prior to joining IETA she worked as an Investment Advisor for EEA Fund Management managing carbon projects valuation and risk assessment for an AIM listed carbon emissions fund. Eva also held a key role at the Ministry of the Environment of the Czech Republic implementing the EU Emissions Trading Scheme. She holds a master degree in Economics, with specialisation in International Trade.

15) JONATHON COUNSELL FRAeS, GROUP HEAD OF SUSTAINABILITY, INTERNATIONAL AIRLINES GROUP
In July 2015 Jonathon became Group Head of Sustainability for the International Airlines Group with responsibility for the group sustainability strategy across the Group's five airlines Aer Lingus, British Airways, Iberia, Level & Vueling. In 2015 Jonathon was also appointed the Chair of the International Airline Transport Association Environment Committee and in June 2017 was re-selected as Chair. In 2013 Jonathon took over the Chair of Sustainable Aviation, the leading UK aviation industry consortium of airlines, airports, manufacturers and UK Air Traffic Control authority driving improvements in the sustainability performance of the sector. Jonathon was previously BA's Head of Environment, appointed in December 2007 with responsibility for developing and implementing BA's strategy on all issues relating to the Environment including Climate Change, Air Quality, Noise and Waste. Prior to working at British Airways Jonathon worked at Air New Zealand as General Manager Strategy based in Auckland, New Zealand and prior to that worked as a management consultant to the global airline industry.