

## Air Traffic Management

### ATM and the Environment: Developing Solutions

Wednesday 22<sup>nd</sup> October 2008

14:30hrs to 18:00hrs

BAE Systems, Park Centre, Farnborough, Hampshire, UK

#### *Programme*

**14.30**      **Arrival, Registration & Networking Refreshments**

**15.00**      **Welcome - FAC & Helios**

#### **Chair: Professor Peter Brooker**

Peter has recently ended a tour as a Visiting Professor at Cranfield University, having been Professor of Air Traffic Management and Environmental Policy there from 2001 to 2005. He is Scientific Advisor to Helios Technology Ltd. His research and consultancy applies operational research and mathematical modelling techniques to aviation problems, covering safety, system capacity, environmental issues and aviation cost benefit. Previous jobs were in RSRE [Royal Signals Research Establishment now in Qinetiq] (Head of ATC Systems Research), National Air Traffic Services (Chief Scientist and Strategy & Development Director) and Civil Aviation Authority (Planning & Corporate Director).

#### **15.10      Dr. Mark Watson — Society of British Aerospace Companies (SBAC)**

Mark Watson is currently Head of Corporate Environmental Affairs at the SBAC which represents UK aerospace manufacturers working in the civil air transport and defence sectors. He leads the organisation's work on all policy and strategic matters relating to environment, corporate responsibility and sustainable development on behalf of major manufacturers such as Airbus, Rolls-Royce, Bombardier Aerospace, BAE Systems, GKN and Thales. He also plays a leading role in driving the UK aviation industry's progress in respect of its Sustainable Aviation strategy, working in partnership with airlines, airports and air navigation service providers. A member of the European Aerospace and Defence Industries Association of Europe (ASD) Environment Committee, he is also a member of the ACARE Advisory Group on Emissions Trading.

Since completing his PhD in 1995, Mark has worked extensively on environmental and sustainable development policy issues throughout the world, in a wide range of sectors including aviation, tourism, energy and international development. Prior to working at SBAC, Mark worked as an adviser in the energy sector and spent 4 years at consultants' Scott Wilson, including time as a residential expert on the Yunnan Environmental Development Programme based in China.

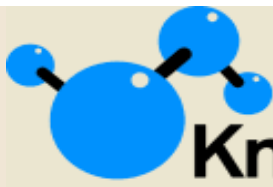
Mark will shortly be joining Cathay Pacific Airways in Hong Kong as their new Manager for Environmental Affairs.

#### **15.40      Dr. Tom G. Reynolds — University of Cambridge**

Tom G. Reynolds is a senior research associate at the University of Cambridge's Institute for Aviation and the Environment. He is project manager of the Aviation Integrated Modelling project which is developing a policy assessment tool for aviation, environment and economic interactions. He has expertise in air transportation systems engineering, with a particular focus on air traffic control and environmentally-friendly aircraft operations. He has a Ph.D. in Aerospace Systems from the Massachusetts Institute of Technology

**16.10**      **Break & Networking Refreshments**





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### **16.30 Dr. Darren Rhodes — UK Civil Aviation Authority (CAA)**

Darren Rhodes graduated from Loughborough University in 1993 with an honours degree in Aeronautical Engineering. Following this he conducted research work in aircraft design, noise modelling and noise abatement operating procedures at Loughborough University between 1993 and 1997 and obtained a PhD for aircraft noise research in 1998.

In 1997 he joined ERCD (Environmental Research and Consultancy Department) and subsequently became project manager of aircraft noise model development and international studies. Darren acts as a technical advisor to the DfT on a number international committees including ICAO's Committee for Aviation Environmental Protection and the Society of Automotive Engineers (SAE) A-21 Aircraft Noise Committee. He currently chairs the European AIRMOD task group, responsible for the development of aircraft noise models and guidance on their application within ECAC's (European Civil Aviation Conference's) 42 member states. Darren was actively involved in the noise assessments leading up to publication of the Air Transport White Paper in 2003 and more recently in support of the Adding Capacity at Heathrow Consultation.

Darren is a co-author of the book "Civil Jet Aircraft Design", which is used as a standard aeronautical engineering text at a number of UK and overseas universities.

### **17:00 Mr. James Deeley — UK National Air Traffic Services (NATS)**

James has eight years experience in the sphere of environmental aviation issues working for Civil Aviation Authority, and the UK air navigation service provider - NATS. His core area of expertise is aviation and the environment. His work has spanned numerous large scale noise monitoring and analysis programmes, including the assessment of large-scale airspace changes, and the provision of technical advice to the UK Government on aviation's impact on the environment. James has recently joined the Environmental and Community Affairs team at NATS, responsible for driving forward a programme targeting improvements to operational carbon dioxide emissions and carbon neutrality for the NATS estate – NATS is the first air navigation service provider to set operational carbon dioxide targets.

### **17.30 Closing Remarks followed by Networking Buffet**

### **18.00 Depart**

