



Deutsche Gesellschaft
für Luft- und Raumfahrt
Lilienthal-Oberth e.V.



ROYAL AERONAUTICAL SOCIETY
HAMBURG BRANCH E.V.



Verein Deutscher Ingenieure
Hamburger Bezirksverein e.V.
Arbeitskreis Luft- und Raumfahrt

Invitation to an RAeS lecture in cooperation with the DGLR and VDI

Engine Design for the Environment

Andrew Bradley, FRAeS FIMechE
Chief Design Engineer, Rolls-Royce

Lecture
followed by discussion

Entry free !
No registration !



Date: Thursday, 24th June, 18:00
Location: HAW Hamburg
Berliner Tor 5
(Neubau), Hörsaal 01.12

This lecture will address the issue of environmental pressures on aviation and their impact on the design of Aero-Engines.

We continually hear that aircraft are environmentally unfriendly, but what is the true impact of aviation on the environment and how is the design of aero-engines improving the impact?

The lecture will describe the impact of aviation on noise, local air quality and global warming. It will then describe how improvements to aero-engines are addressing those impacts and how research is leading to further improvements. However it remains that the balance between environmental impacts is governed by choices taken during the design of aero-engines and these choices will become more stark in the future.

Andrew Bradley holds the position of Chief Design Engineer at Rolls-Royce, working on demonstration of technologies for a potential engine for aircraft that could enter service in the latter part of the next decade. He started with Rolls-Royce in 1976 and with them has graduated from Durham University in 1981 with a Master of Engineering degree and has held positions in aero-engine product design, including the RB211-524 and Trent engines, and in noise research. In recent years Andrew has been a key member in a number of European projects focused on Aero-engine research aimed at reducing fuel consumption or reducing noise. He is a Fellow both of the Institute of Mechanical Engineers and of the Royal Aeronautics Society and until recently held the position of Chair of the combined Propulsion Technical Activities committee of the Institute and Society.

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VDI Hannes Erben
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RAeS Hamburg Branch
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<http://hamburg.dglr.de>
<http://www.raes-hamburg.de>
<http://www.vdi.de/2082.0.html>

und  Luftfahrtstandort
Hamburg
<http://www.luftfahrtstandort-hamburg.de>

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