



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



ROYAL AERONAUTICAL SOCIETY
HAMBURG BRANCH E.V.

VDI

Verein Deutscher Ingenieure
Hamburger Bezirksverein
Arbeitskreis Luft- und Raumfahrt



**The Royal Aeronautical Society Hamburg Branch
invites to a Lecture**

Praxis-Seminar Luftfahrt

Design and Development of Transport Aircraft Systems – Past, Present and Future – Challenges and Opportunities

Dipl.-Ing. Richard Smyth FRAeS, formerly VP Policy, Development & Systems General, Airbus

The lecture will address the following aspects of transport aircraft systems:

- Revolutionary evolution of systems design and development in the last 30 years and future perspectives.
- Overall requirements and challenges.
- Complexity and automation.
- Key systems and architectures.
- Systems layout and integration.
- The development process, validation and integration tests.
- Early maturity.
- The role of systems suppliers.
- Overview of methods and tools, the digital revolution and simulation.
- Human-machine interfaces and user centered approach.
- Multi-national cooperation.
- Environmental requirements.
- Outlook into the future.



After completing his studies in aeronautical engineering at the TU Berlin in 1966, Richard joined VFW-Fokker in Bremen as a Propulsion Engineer. He worked on the VFW 614, the VAK191B and the Tornado. From 1979 to 1982 he was involved in the flight tests of the A300B2K and B4 and in 1981 became Head of the Propulsion dept. in Bremen. From 1982 to 1995 he was at Airbus in Toulouse as Head of Propulsion Systems responsible for specifications, guarantees, certification etc. In 1995 he moved to Hamburg where he became VP & Head of Systems Development. Then in 2001 back to Toulouse as VP Policy Development and Systems General. Following his retirement in 2007 he has been very active as an aerospace consultant and Capt. (Reserve) in the Bundeswehr. In 2008 he became a FRAeS.

When: Thursday, 30th October 2008, 18:00 h (!Note new time!)
Where: Hochschule für angewandte Wissenschaften (HAW), Berliner Tor 5 (Neubau), Hörsaal 01.12, 20099 Hamburg

Kontakt:

RAeS	Richard Sanderson	Tel.: (04167) 92012	events@raes-hamburg.de
DGLR	Thorsten Schiek	Tel.: (040) 743 78424	hamburg@dglr.de
DGLR/HAW	Prof. Dr.-Ing. Dieter Scholz	Tel.: (040) 70971646	info@ProfScholz.de
DGLR/VDI	Jürgen K. A. Schulz	Tel.: (04181) 72 45	Juergen.K.A.Schulz@t-online.de

**DGLR Bezirksgruppe Hamburg: Internetseite zur Vortragsreihe:
RAeS Hamburg Branch**

<http://hamburg.dglr.de>
<http://www.raes-hamburg.de>

Der Besuch der **Veranstaltung ist steuerlich absetzbar**. Bringen Sie dazu bitte eine ausgefüllte Teilnahmebestätigung zur Unterschrift zum Vortrag mit. Mittels **E-Mail-Verteilerliste** wird über aktuelle Veranstaltungen informiert. **Vortragsunterlagen** vergangener Veranstaltungen, aktuelles **Vortragsprogramm**, Eintrag in E-Mail-Verteilerliste, Vordrucke der Teilnahmebestätigung: Alle Services über die Internetseite zur gemeinsamen Vortragsreihe von DGLR/VDI/RAeS/HAW: <http://hamburg.dglr.de> .