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

21st Century Challenges for the Design of Passenger Aircraft

Prof. Jeff Jupp FREng, FRAeS,
RAeS Greener By Design Group,
former Technical Director Airbus UK



With thanks to NASA

Lecture
followed by discussion

Entry free !
No registration required !

Date: Thursday, 30th May 2013, 18:00
Location: HAW Hamburg
Berliner Tor 5, (Neubau), Hörsaal 01.12



The needs of the 21st Century are addressed for future passenger aircraft design to meet the important requirements of the customer airlines. The effect of aircraft on the Environment and the huge increases in the cost of fuel will have a substantial effect on the way future aircraft are optimised. These demands are summarised before mentioning the basic equations affecting how the aircraft design must respond. Very similar targets driving research work have now been set in both Europe and the USA and some of the new technologies that we can expect to be incorporated are outlined. Finally a glimpse is given of the possible future aircraft configurations we may see in the skies in response to the new demands.

Jeff Jupp graduated from Queens' College Cambridge in 1964 with first class honours in Aeronautical Engineering. Following twenty years in civil aircraft aerodynamic wing design at Hawker Siddeley Aviation Hatfield, mainly on the HS146 feeder liner and the Airbus A310, he moved with the Airbus project to British Aerospace at Filton, Bristol. He was Chief Engineer for the "Common Wing" for the A330/A340 aircraft and became Engineering Director in 1993 responsible for the teams working mainly on wing development and support work for all Airbus aircraft, as well as Concorde support, retiring in December 2001. He was awarded the Royal Aeronautical Society Gold Medal in 2002. He still assists EADS and Airbus, and is currently visiting professor at Bath University, a non-executive director of Cranfield Aerospace Ltd., Vice Chairman of the Royal Aeronautical Society Medals and Awards Committee and Chairman of their "Air Travel - Greener By Design" Environmental Group.

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<http://hamburg.dgldr.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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