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

Aircraft Fire and Evacuation Simulation

Prof. Edwin Galea,
Director, Fire Safety Engineering
Group, University of Greenwich



Lecture
followed by discussion

Entry free !
No registration required !

Date: **Thursday, 16th October 2014, 18:00**
Location: **HAW Hamburg**
Berliner Tor 5, (Neubau), Hörsaal 01.12



The evacuation certification trial is an aviation benchmark, requiring that all the passengers must safely evacuate from an aircraft within 90 seconds, through 50% of the available exits. Prof. Ed Galea will present his research into aircraft fire safety, considering factors such as human behaviour, fuel flashover data and available exits, and ask whether the certification testing is really good enough?

Professor Galea is the founding director of the Fire Safety Engineering Group (FSEG) of the University of Greenwich in London where he has worked in the area of Computational Fire Engineering (CFE) research since 1986. FSEG are developers of the EXODUS suite of evacuation and crowd dynamics software and the SMARTFIRE fire simulation software. Prof Galea's personal research interests include human behaviour in emergency evacuation situations, crowd dynamics, evacuation and crowd dynamics simulation, fire dynamics and CFD fire simulation.

His aviation based fire and evacuation projects include design and certification analysis for aircraft such as; A380, A340-600, BWB, Mitsubishi Regional Jet, Dash8-400, CS100, CS300 and VIP configured B747 aircraft. He is the author of over 250 academic and professional publications and serves on a number of standards committees concerned with fire and evacuation for organisations such as; IMO, ISO, BSI and the SFPE Task Group on Human Behaviour in Fire. He has served on several major Inquires and legal cases as an expert in fire and evacuation including: the Paddington Rail Crash, the Swiss Air MD11 crash, and the Admiral Duncan Pub bombing.

RAeS Richard Sanderson
VDI Hannes Erben
DGLR Eric Heslop
DGLR / HAW Prof. Dr.-Ing. Dieter Scholz

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