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Verein Deutscher Ingenieure
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Arbeitskreis Luft- und Raumfahrt

Die DGLR lädt ein zum Vortrag in Kooperation mit VDI und RAeS

Aircraft Cabin Air Contamination - Health & Flight Safety Implications



Dr. Susan Michaelis, PhD, ATPL

Vortrag
mit anschließender Diskussion

Eintritt frei!
Keine Voranmeldung!

Zeit: **Donnerstag, 08.11.2012, 18:00 Uhr**
Ort: **HAW Hamburg**
Berliner Tor 5, (Neubau), Hörsaal 01.12



Dr. Susan Michaelis, a former Australian commercial pilot is an aviation health and safety consultant and Head of Research for the Global Cabin Air Quality Executive (GCAQE), the leading labor and consumer organization specifically addressing the issue of aircraft contaminated air. She has widely briefed industry, governments, military and unions, with her 2010 PhD dissertation on this subject being the only one of its kind globally covering a wide spectrum of issues on the contaminated air subject. She holds NEBOSH and COSHH qualifications in health and safety and the use of hazardous substances. She is completing an MSc in Air Safety and Accident Investigation at Cranfield University.

Aircraft air supplies delivered via compressed bleed air combined with the use of highly heated synthetic turbine engine oils has been a subject of concern since the early 1950's and remains an ongoing issue to the present day. Dr. Susan Michaelis will present the findings of her PhD thesis [1] on this subject examining the health and flight safety implications from exposure to unfiltered contaminated air in aircraft. Areas of specific interest include: the short and long-term adverse effects documented supporting a discrete occupational health syndrome, the frequency of exposure, an examination of air monitoring studies undertaken and the suitability of these to suggest the air is healthful or safe and a review of industry knowledge and actions spanning almost 6 decades. Synthetic jet engine oils heated to high temperatures have been long known to become toxic. This happens as a design and operational feature of using bleed air. It has become an accepted and expected occurrence within the aviation industry. The evidence presented warrants that precautionary measures be introduced to address this real health and flight safety issue.

[1] MICHAELIS, Susan: *Health and Flight Safety Implications from Exposure to Contaminated Air in Aircraft*, The University of New South Wales, School of Risk and Safety Sciences, PhD Thesis, 2010. - ISBN: 978-0-9555437-7-7

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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>.