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

ROYAL AERONAUTICAL SOCIETY HAMBURG BRANCH e.V.

ZAL

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

HAW HAMBURG

***Hamburg Aerospace Lecture Series***
*Hamburger Luft- und Raumfahrtvorträge*

**ZAL in cooperation with the DGLR, RAeS, HAW Hamburg, and VDI invites to a lecture**

# ZAL Discourse: Connected Cabin in Aircraft

New technologies for a smooth passenger journey and optimized flight operations

Dr. **Lothar Kerschgens**, Senior Program Manager R&T, SAFRAN Cabin
Prof. Dr. **Ralf God**, Head of the Institute of Aircraft Cabin Systems at TUHH
Dr. **Bing Chen**, Expert for IoT in Cabin & Cargo, Airbus Operations GmbH

**Date:** **Thursday, 26 January 2023, 16:00 CET**
**Location:** **ZAL TechCenter** (Auditorium), Hein-Saß-Weg 22, 21129 Hamburg

Experts will shed light on today's state-of-the-art in the connected aircraft cabin and current projects focusing on new technologies in this field. What are the most promising technologies for passengers, airlines, and manufacturers? And what does the future of a 'connected cabin' look like? From new IT architectures to the use of IoT connectivity.

**16:00 Opening & Introduction**
*Dr. Leonid Lichtenstein*

**16:10 Lecture: 'Smart and Connected Aircraft Cabin'**
*Dr. Lothar Kerschgens*
A balancing act between operational cabin management, airline business and passenger expectations.

**16:35 Lecture: 'Airline Business Processes in a Smart Cabin'**
*Prof. Dr. Ralf God*
Digitization in the cabin offers airliners many opportunities to improve their business processes. These are generally not related to operational safety, however they must comply with the recently introduced CS 25.1319 for cyber-security certification.

**17:00 Lecture: 'Airspace Link'**
*Dr. Bing Chen*
The "Internet of Things" (IoT) enables us to connect, experience and control smart elements in our homes, where we already take them for granted. Airspace Link allows us to bring this megatrend from the ground into the aircraft cabins as well. An Avionic Standard is being established to ensure the interoperability between the smart devices.

**17:25 Panel Discussion**
**17:55 Wrap-up & Conclusions**
**18:00 Optional: Get Together & Networking**

**Registration:** https:/purl.org/AeroLectures/2023-01-26


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Hamburg Aerospace Lecture Series (DGLR, HAW Hamburg, RAeS, VDI, ZAL)

**DGLR Bezirksgruppe Hamburg** https://hamburg.dglr.de
**RAeS Hamburg Branch** https://www.raes-hamburg.de
**VDI, Arbeitskreis L&R Hamburg** https://www.vdi.de
**ZAL TechCenter** https://www.zal.aero

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