









Hamburg Aerospace Lecture Series Hamburger Luft- und Raumfahrtvorträge

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

The Path from Research to Operations for Climate Optimized Flight Routes

Dr. Ralph Leemüller, DFS Deutsche Flugsicherung GmbH

Date: Thursday, 24 November 2022, 18:00 CET Online: https://purl.org/profscholz/zoom/2022-11-24

Studies in research often promise a fast system implementation and usage in operation. But especially in safety critical areas like air navigation services it can be recognized that it takes guite a long time from proclaimed "ready for use" at research level until actual operational use. Why this difference? Often. necessary aspects safety like assessment, certification, and training procedures for operators cannot be analyzed by researcher. The validation under operational circumstances may lead to additional questions.

presentation will demonstrate several challenges in the actual discussion about avoidance of persistent contrails. The German project D-KULT (Demonstrator klimaund umweltfreundlicher Lufttransport, Juni 2022 bis Mai 2025) works on several solutions and its ideas are presented during the lecture.



M. Stanislav, pexels.com

Ralph Leemüller has accumulated knowledge from many years in the research and development division at DFS. He has experience in product management of air traffic simulators as well as management of complex systems in national and in international projects. Currently, he works on the evaluation of procedures to mitigate climate impact through air traffic management.

DGLR / HAW Prof. Dr.-Ing. Dieter Scholz RAeS Richard Sanderson



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