

Publications (all open access)

Conferences

2020

- Lange, Schmeling, Dehne, Dannhauer, Werner & Gores (2020). **“New Long-Range Cabin Mock-Up Enabling the Simulation of Flight Cases by Means of Tempered Fuselage Elements”**, In Proceedings of the *Aerospace Europe Conference (AEC 2020)*, Bordeaux, France, 25.-28. February 2020. Repository Link: https://elib.dlr.de/127602/2/AEC2020_022_lange.pdf
- Schmeling, Shishkin, Dehne, Lange & Gores (2020). **“Evaluation of Thermal Comfort for Novel Aircraft Cabin Ventilation Concepts”**, In Proceedings of the *Aerospace Europe Conference (AEC 2020)*, Bordeaux, France, 25.-28. February 2020. Repository Link: https://elib.dlr.de/129310/2/AEC2020_464_schmeling.pdf

2021

- Schmeling, Shishkin, Dehne, Lange & Gores (2021). **“Novel Ventilation Concepts for Long-Range Aircraft Cabins – Thermal Comfort and Energy Efficiency”**, In Proceedings of the *15th Roomvent Conference (Roomvent 2020)*, Torino, Italy / online, 15.-17. February 2021. Repository Link https://elib.dlr.de/129311/2/Schmeling_Roomvent2020-paper.pdf
- Schmeling, Dehne, Lange, Dannhauer, Shishkin & Gores (2021). **“Overhead Cooling Device Reducing Thermal Stratification at Displacement Ventilation”**, In Proceedings of the *Aerospace Europe Conference (AEC 2021)*, Warsaw, Poland / online, 23.-26. November 2021. Repository Link https://elib.dlr.de/143173/2/AEC2021-Schmeling_fullpaper_final.pdf

2022

- Dehne, Lange, Schmeling & Gores (2022). **“Micro-Jet Ventilation – a Novel Ventilation Concept for Long-Range Aircraft Cabins”** *13th International Industrial Ventilation Conference for Contaminant Control (Ventilation 2022)*, Toronto Canada, 22.-24. June 2022. Repository Link: https://elib.dlr.de/146504/4/ID1146_Micro-Jet%20ventilation%20a%20novel%20ventilation%20concept%20for%20long-range%20aircraft%20cabins_ConferencePapers_Dejne-Final.pdf
- Dehne, Lange, Schmeling & Gores (2022). **“Impact of Non-Occupied Seats at Novel Ventilation Concepts for Long-Range Aircraft”**, *17th International Conference of the International Society of Indoor Air Quality & Climate (Indoor Air 2022)*, Kuopio, Finland, 12.-16. June 2022. (link will follow soon)
- Lange, Dehne, Schmeling, Dannhauer & Gores (2022). **“Comparison of Two Ceiling-Based Ventilation Strategies for Twin-Aisle Aircraft Cabins”**, *17th International Conference of the International Society of Indoor Air Quality & Climate (Indoor Air 2022)*, Kuopio, Finland, 12.-16. June 2022. Repository Link: https://elib.dlr.de/145912/1/IA2022_Lange_ID1254_EL.pdf

Journal

- Lange, Dehne, Schmeling, Dannhauer & Gores (2022). **“Realistic Flight Conditions on Ground: New Research Facility for Cabin Ventilation”**. *CEAS Aeronaut. Journal* <https://doi.org/10.1007/s13272-022-00594-2>

Patent

- Schmeling, Dehne, Lange, Shishkin, Dannhauer, Bosbach & Gores. **“Aircraft cabin and aircraft cabin cooling device.”** DE102019122963A1, patent pending, 2019. Patent Application: <https://patentimages.storage.googleapis.com/c6/df/5b/0296030e87a0a7/DE102019122963A1.pdf>