



SENS4ICE

SENSORS AND CERTIFIABLE HYBRID ARCHITECTURES
FOR SAFER AVIATION IN ICING ENVIRONMENT

1st Project Symposium

22nd of October 2020, 15:00 - 19:15 (Paris Time)

Virtual event

Welcome to the 1st Symposium of the [SENS4ICE Project](#):

a special session of the [SAE AC-9C Aircraft Icing Technology Committee Meeting](#).

ABOUT

9 presentations given by the project partners and one discussion session will demonstrate the SENS4ICE approach and methodology to intelligently cope with the complex problem of ice detection.

REGISTRATION

The Symposium is an open meeting without registration fees. Participants may access the virtual conference room 30 minutes before the Symposium start for connection check. Please find below the WebEx meeting information:

<https://sae.webex.com/sae/j.php?MTID=m3cbda597a9d0429e89b8f4fa9fd24fa>

Meeting number: 126 181 1917

Meeting password: Monday1

To join by phone: 1-866-469-3239 Call-in toll-free number (US/Canada) or 1-650-429-3300 Call-in toll number (US/Canada).

Access code: 126 181 1917

Time	Presentations and Speakers
15:00-15:10	SENS4ICE Project Overview Carsten Schwarz, Project Coordinator, German Aerospace Center (DLR)
15:10-15:30	AIP - Atmospheric Icing Patches - A distributed system for ice detection Dr. Ian Roberts, AeroTex UK LLP
15:30-15:50	LILD - Local Ice Layer Detector. An ice layer detection by an inboard sensor Christian Mendig, German Aerospace Center (DLR)
15:50-16:10	Fiber optic-based ice detector to discriminate between App. O and App. C condition Dr. Ing. Malte Frövel, National Institute Of Aerospace Technology (INTA)
16:10-16:25	Wind tunnel measurements with a two-cone Nevzorov probe in SLD conditions Johannes Lucke, German Aerospace Center (DLR)
16:25-16:35	Selection process definition and sensors downselection for Gate 2 Giuseppina Nugnes, LEONARDO
16:35-16:55	Indirect ice detection for the hybrid ice detection system Falk Sachs, German Aerospace Center (DLR)
16:55-17:15	Hybrid Icing Detection: study and demonstration Christian Thiry, Annagrazia Orazzo, Safran Aerosystems; Giuseppina Nugnes, LEONARDO
17:15-17:25	Coffee break
17:25-17:45	SENS4ICE icing wind tunnel capabilities and test procedures El Hassan Ridouane, Raytheon Technologies Research Center
17:45-19:15	Towards standardization and comparability of icing wind tunnels for Appendix O conditions: Challenges, Metrics and Measurements Discussion: all. Moderator: Tina Jurkat-Witschas, German Aerospace Center (DLR)



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