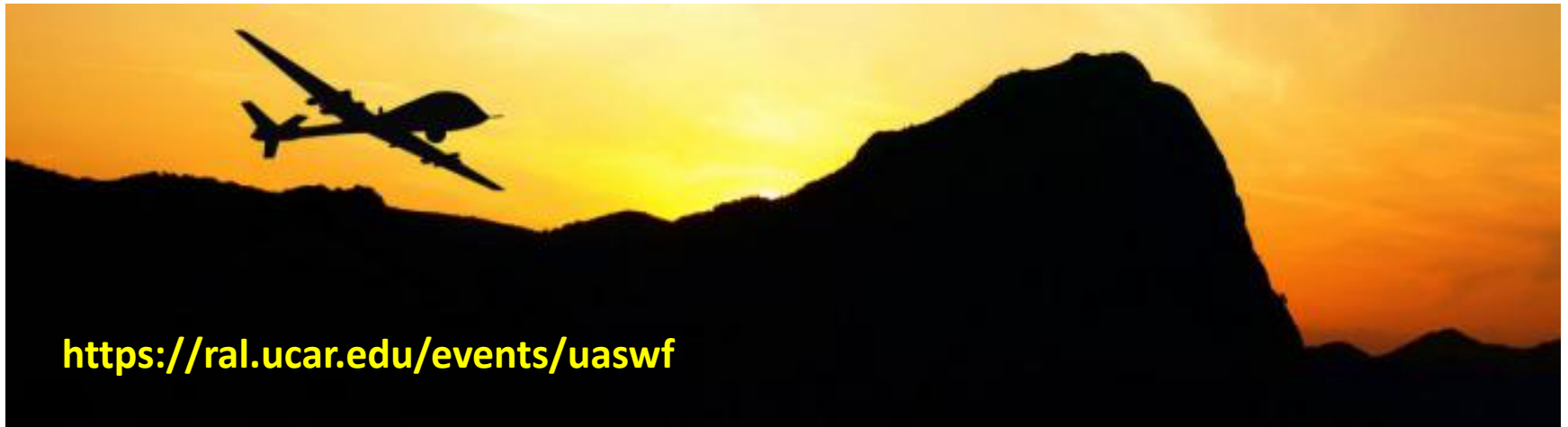


UAS Weather Forum

Moderated by Matthias Steiner

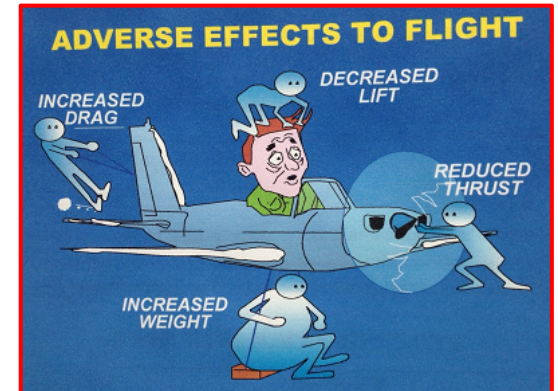


*Co-located Partner Event at AUVSI's XPONENTIAL
5 October 2020*

The UAS Weather Forum provides a platform for UAS operators; federal & state agencies; weather researchers & providers; trade groups; safety & insurance groups; UAS manufacturers; & others to:

- Share experiences with expected & unexpected weather impacts
- Engage in a dialogue about weather needs for UAS operations
- Collect requirements for developing better weather guidance
- Cultivate strategies on how to make progress with needed weather support
- Assist regulators with safe integration of UAS into the national airspace system considering weather impacts
- Explore opportunities for using UAS-sensed environmental information for enhanced situational awareness & better weather prediction
- Facilitate weather education & outreach

Today's focus is on icing



AGENDA

Matthias Steiner, National Center for Atmospheric Research

Welcome

Martin Fengler, Meteomatics

UAS operations in harsh environments – Impacts of icing on vehicle performance

Dan Fuleki, National Research Council of Canada

Use of ultrasound ice accretion sensors for UAS ice detection

Paul Pellicano & Marilyn Pearson, Federal Aviation Administration

UAS certification – Regulatory & operational WX challenges for BVLOS operations

10 min break

Apoorva Bajaj, University of Massachusetts Amherst

Dealing with weather hazards in urban environments – CASA's innovation ecosystem in Dallas / Fort Worth

Stephanie DiVito, Federal Aviation Administration & Ben Bernstein, Leading Edge Atmospheric

Emerging capabilities for monitoring icing conditions at low levels & off airports

James Pinto & Greg Thompson, National Center for Atmospheric Research

Fine-scale weather hazard prediction guidance of tomorrow

Guidance for Conduct of virtual UAS Weather Forum:

- Please mute your microphone unless speaking
- Please turn off your video unless speaking
- Submit questions through chat
- Arnaud Dumont will monitor chat & bring up questions
- Audience & speakers may answer questions in chat

Archive of UAS Weather Forum:

- Presentations will be archived @ <https://ral.ucar.edu/events/uaswf>

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