

Agenda

2022 SCOAR Fall Committee Meeting

NCAR Research Aircraft Facility
NCAR Mesa Lab
4,5 October 2022

Zoom information

Please register for this meeting here:

https://washington.zoom.us/meeting/register/tJwrceGorDspHNS93HvhmTi_u4_kNvVN4hEZ

After registering, you will receive a confirmation email containing information about joining the meeting.

Times are in Mountain Time

Tuesday - October 4, 2022

NCAR Research Aircraft Facility (RAF)

RAF Explorer Room

10802 Airport Ct, Broomfield, CO 80021

0830 Coffee

0900 Welcome and Introductions

- Welcome to RAF - RAF Manager Lou Lussier
- Welcome by SCOAR Chair – Christopher Zappa
- Participant Introductions
- Review meeting agenda

0920 Agency and UNOLS Reports

- ICCAGRA – Matt Fladeland (10min)
- USCG Report – Phil McGillivary (15min)
- NSF airborne oceanography activities - Britton Stephens (10min)
- NOAA's UAS Program - Paul Hemmick (10min)
- NASA Update – Matt Fladeland (10 min)
- UNOLS Report – Alice Doyle (10min)
- Discussion Q&A

1030 Break

1045 NPS CIRPAS Facility Report – UNOLS National Oceanographic Aircraft Facility – Anthony Bucholtz/NPS (20min)

1115 The next-generation University of Wyoming King Air atmospheric research aircraft: research modifications and capabilities- Bart Geerts/University of Wyoming

1145 Airborne Measurements of S-MODE mission - Luc Lenain / SIO (20min)

1215 Lunch



- 1315 Crewed & Uncrewed Oceanographic Aircraft Developments– Operations at Institutions (15min each)**
- UAF – Cathy Cahill
 - TAMU – Mike Starek
 - LDEO – Chris Zappa
 - UAS Swarms for High Resolution Scientific Imaging – Hanu Singh/Northeastern University
 - Arizona – Armin Sorooshian
 - OSU (RVTEC) – Andrew Woogen
 - Rosenstiel School (ACES) – Ved Chirayath
- 1515** C-130, Gulf-Stream and Facility Tour
Attendee list is required 2 weeks prior. Please complete the form here to supply the required information. All tour attendees are REQUIRED to wear closed toed shoes. NO exceptions. NOTE: Tour times may vary depending on aircraft availability.
- 1700** Meeting Adjourns for the day

Wednesday - October 5, 2022

NCAR Mesa Lab

ML-680-Tower-B

1850 Table Mesa Dr, Boulder, CO 80305

- 0900 Day-2 Opening Remarks** – Christopher Zappa
- 0915 DEI Discussion within the Scientific Airborne Community**
- inclusive environment
 - broader participation (modeling StemSEAs and MATE programs geared towards Scientific or Technical side of Aircraft)
- 0945 UNOLS Fleet Improvement Committee’s Global Science Mission Requirements (SMRs)** - Review of the UAS/Aircraft requirements
- 1005 Review of the UAS Handbook** - Chris Zappa
- What do we need to update?
- 1030 Next Steps?** (White paper)
- How can instrumented UAVs become a standard instrument on RVs for:
- Operational purpose (ship inspection, obstacle avoidance...)
 - Outreach
 - Search and rescue operations
 - Science support
- Is the technology mature enough?
 Could this be expanded to larger UAS, beyond part 107 requirements?
 Would we need specific expertise in one (or several) operator institutions, perhaps through a center of excellence? How can SCOAR help?
 Dedicated workshop to develop a vision for a National UAS Facility?
- 1045 Open Discussion**



1100 Executive Session

- Code of Conduct
- New Member start/end dates (Jan 1?)
- New Members (think about 2 new members; H. Singh and M. Starek rotating off)
- Input for chapter for RVSS?

1200 Meeting Adjourned

The meeting will adjourn at noon. Britt has offered to take interested attendees on a hike in the Boulder area that afternoon.

