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

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0830</td>
<td>Coffee</td>
</tr>
<tr>
<td>0900</td>
<td>Welcome and Introductions</td>
</tr>
<tr>
<td></td>
<td>• Welcome to RAF - RAF Manager Lou Lussier</td>
</tr>
<tr>
<td></td>
<td>• Welcome by SCOAR Chair – Christopher Zappa</td>
</tr>
<tr>
<td></td>
<td>• Participant Introductions</td>
</tr>
<tr>
<td></td>
<td>• Review meeting agenda</td>
</tr>
<tr>
<td>0920</td>
<td>Agency and UNOLS Reports</td>
</tr>
<tr>
<td></td>
<td>• ICCAGRA – Matt Fladelphia (10min)</td>
</tr>
<tr>
<td></td>
<td>• USCG Report – Phil McGillivary (15min)</td>
</tr>
<tr>
<td></td>
<td>• NSF airborne oceanography activities - Britton Stephens (10min)</td>
</tr>
<tr>
<td></td>
<td>• NOAA’s UAS Program - Paul Hemmick (10min)</td>
</tr>
<tr>
<td></td>
<td>• NASA Update – Matt Fladelphia (10 min)</td>
</tr>
<tr>
<td></td>
<td>• UNOLS Report – Alice Doyle (10min)</td>
</tr>
<tr>
<td></td>
<td>• Discussion Q&amp;A</td>
</tr>
<tr>
<td>1030</td>
<td>Break</td>
</tr>
<tr>
<td>1045</td>
<td>NPS CIRPAS Facility Report – UNOLS National Oceanographic Aircraft Facility – Anthony Bucholtz/NPS (20min)</td>
</tr>
<tr>
<td>1115</td>
<td>The next-generation University of Wyoming King Air atmospheric research aircraft: research modifications and capabilities - Bart Geerts/University of Wyoming</td>
</tr>
<tr>
<td>1145</td>
<td>Airborne Measurements of S-MODE mission - Luc Lenain / SIO (20min)</td>
</tr>
<tr>
<td>1215</td>
<td>Lunch</td>
</tr>
</tbody>
</table>
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.