

Revised: December 7, 2017

***Tentative Agenda***  
**UNOLS Deep Submergence Science Committee (DeSSC)**  
**Annual Showcase Meeting**  
**Sunday, December 10, 2017**  
Hilton New Orleans Riverside - Quarterdeck Ballroom AB  
2 Poydras St., New Orleans, LA

Please RSVP the UNOLS Office at [www.surveymonkey.com/r/2017DeSSCWinterRSVP](http://www.surveymonkey.com/r/2017DeSSCWinterRSVP) by December 5<sup>th</sup> if you plan to attend the meeting. Thank you!

**WebEx Login:** If you are unavailable to attend in person, you can join the meeting via web conference. To log-in, click on:

<https://unols.webex.com/unols/j.php?MTID=m2da8c6fde57571c522fede6c26d91ca5>

Access code: 805 239 059

Meeting password: sub2017

Join by phone

1-877-668-4490 Call-in toll-free number (US/Canada)

**8:30 am Coffee**

**9:00 am Introductory Remarks, Meeting Logistics, Introductions** (Anna-Louise Reysenbach, DeSSC Chair)

- Review Agenda Items
- Introductions of DeSSC members
- NDSF/DeSSC Highlights and Accomplishments
- Announcements – DeSSC New Users in attendance, Meeting Displays, Posters, etc.
  - Announcement: Early Career Cruise Opportunity at 9N with AUV *Sentry* and HOV *Alvin* – Patricia Gregg

**9:20 am Agency & UNOLS Introductions and Reports**

- NSF Report (Brian Midson)
- Navy Report (Tim Schnoor)
- NOAA Report (CDR Bill Mowitt)
- UNOLS Report & Global SMR Announcement (Annette DeSilva)

**9:50 am New-Users and Early Career Scientist Presentations - Session I**

- *One-Minute Presentations of their background, research interests, and collaborative opportunities*

**10:10 am Break**

**10:30 am National Deep Submergence Facility (NDSF) Announcements** (Rob Munier)

**10:40 am NDSF 2017 Vehicle Operations Summary** (Kerry Strom)

**10:45 am Deep Submergence Scheduling: 2018 Operations and beyond** (Kerry Strøm)

**10:55 am PI Reports** (3 minutes each)

- *Jason, Sentry* and *Alvin* PI Reports (Confirmed: Andreas Teske, Michael Cheadle, George Luther, Erik Cordes, Julie Huber, Pete Girguis)
- Other facilities (Confirmed: *Pisces* – Amy Baco-Taylor) [Please note: Science users of other facilities must notify Annette DeSilva <[office@unols.org](mailto:office@unols.org)> by November 16<sup>th</sup> to be included on the agenda.]

**11:30 am NDSF Vehicle Debrief Interviews & Post Cruise Assessment Reports**

- Summary of issues identified in NDSF debrief interviews (Scott White, Amanda Demopoulos, David Emerson)

**11:50 am Summary of Upgrades to NDSF vehicles: *Sentry, Jason, and Alvin*** (Andy Bowen)

**12:05 pm Lunch Break**

**1:30 pm New-Users and Early Career Scientist Presentations - Session II - One-Minute Presentations of their background, research interests, and collaborative opportunities**

**1:50 pm DESCEND-2 Report** – Peter Girguis

**2:00 pm to 3:30 pm**

**Deep Submergence Science - Community Discussion Session**

***DESCEND to Action***

The **goal** of the discussions will be to build on DESCEND-2 to develop innovative and actionable new directions for future deep-sea research. **Homework:** What is an ambitious outstanding question or problem in deep-sea science that could be addressed and implemented with *unlimited* resources? Be bold, visionary and unconstrained by current capabilities. Please think about this before the meeting. We will use your science questions (submitted in the morning session) to frame breakout discussions in which each group must address a set of predefined topics that pertain to the science questions. Following the breakout discussions, group leaders will provide summary reports in a general plenary session. Some **anticipated outcomes** would be to stimulate and enable interdisciplinary collaborations, to gain insights into challenging problems in deep-sea research that we can rally around, and identify the next steps to implement some of the ideas from the discussions.

*Please join us and share your visions and suggestions.*

**3:30 pm Break**

**3:40 pm Emerging technologies and Broader Activities**

- 1540: DeSSC's New-User Programs – Steering Committee member, Vicki Ferrini, will provide a brief summary of the activities, discussions, and highlights. (10 min)
- 1550: Video Standards and Data Management – Vicki Ferrini (5 min)
- 1555: DESSC interest in Deep-Sea Mining/ISA initiative - Cindy Van Dover (10 min)
- 1605: DeSSC Subcommittee on Telepresence-Enabled Science Missions – Chris German (10 min)
- 1615: NASA Ocean Worlds Meeting – Chris German (5 minutes)
- 1620: NDSF Data and Telecommunications Study – Jonathan Howland (10 minutes)

- 1630: OET Mobile System – Bob Ballard and Nicole Raineault (5 minutes)
- 1635: InterRidge – Dan Fornari (5 minutes)
- 1640: ROV Development and Operation Updates:
  - U. Hawaii ROV – (5 min)
  - Scripps Institution of Oceanography ROV – Doug Penny (5 min)
  - Schmidt Ocean Institute – Jason Williams (5 min)
- 1655: Ocean Observing Initiative – Brian Midson (5 min)

**5:00 pm Closing Remarks and Adjourn** (Anna-Louise Reysenbach)