



# University-National Oceanographic Laboratory System ~UNOLS~

Deep Submergence Science Committee Meeting  
San Francisco, CA  
December 11, 2016







# UNOLS Fleet News – Design, UNOLS Designations, Mid-life Refit activities

- **Two new Ocean Class Ships:**
  - R/V *Neil Armstrong* (WHOI) entered service in May 2016
  - R/V *Sally Ride* (SIO) – designated a UNOLS Vessel October 28, 2016 and entered service in November 2016
- **Mid-Life Refits/SLEPs:**
  - R/V *Thompson* is in its mid-life
  - Planning for 2018 mid-life of *Revelle* has begun.
- **Regional Class Research Vessels**
  - Pending Funds.
  - First ship could enter service in 2021



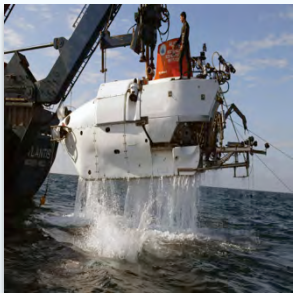
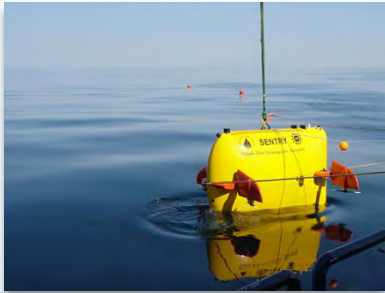


# 2016 Workshops



## OOI Workshops:

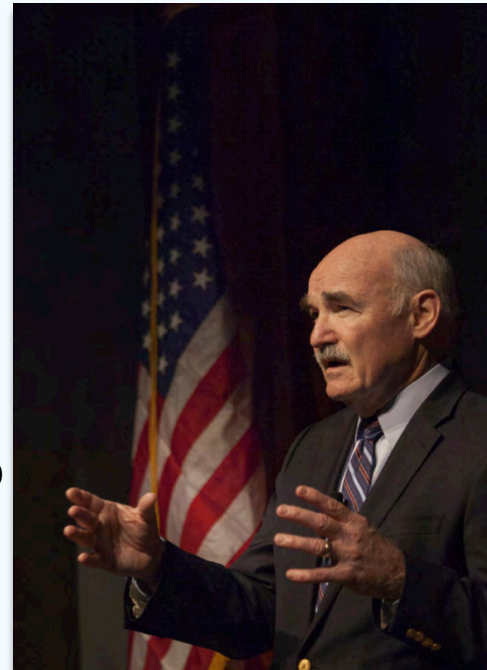
- Coastal Arrays - January 5 – 7, 2016 in Arlington , VA
- Cabled, Endurance, and Station Papa - September 27 – 29<sup>th</sup>, 2016 in Portland, OR



## DESCEND2

January 14 – 15, 2016

- Pete Girguis, Workshop Leader
- Venue: Harvard University



## Green Boats and Ports III Workshop

- April 5 – 6, 2016
- University of Rhode Island

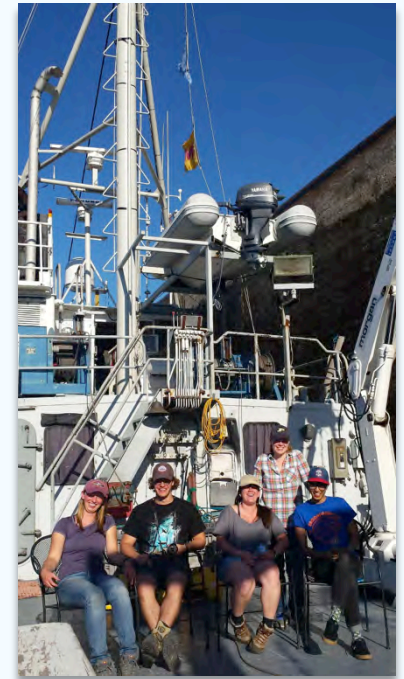




# Chief Scientist Training Workshops/Initiatives

## 2016 – 7 cruises:

- *R/V Thomas G. Thompson* - February 11-20,
- *R/V Atlantis* with *Alvin*, *Sentry*, and Telepresence – July 26-Aug 8
- *R/V Blue Heron* - Doug Ricketts/UMN (Summer) – 4 cruises, June 12 – July 2
- *R/V Sikuliaq* Transit Cruise – December 2-17, 2016





# Chief Scientist Training Workshops

## Tracking the Participants:

- 152 Participants in CSTW over 6 years (2011 – 2016)
- 25 Participants submitted a total of 47 projects as lead PI, 7 projects were funded.
- Total of 89 Requests = 902 ships days
- *132 Requests as Co-PI*



***86 Blogs Posts from the  
workshops***

<http://csw.unols.org/scientist-posts/page/2/>



# Pregnancy at Sea, Sexual Harrassment, & Medical Forms

A subcommittee of UNOLS Council members has been formed to evaluate these issues and provide recommendations:

## **Committee Members:**

- Debbie Steinberg/VIMS
- Clare Reimers/OSU
- Scott Ferguson/UH
- Bruce Appelgate/SIO
- Brandi Murphy/UW
- Chris Measures/UH (UNOLS Chair)
- Assisted by: Jon Alberts & Alice Doyle/UNOLS



# Pregnancy at Sea, Sexual Harrassment, & Medical Forms

## Actions completed:

- **Survey of all UNOLS ship operators**, gathered information on procedures and policies regarding medical history forms, pregnancy and nursing mothers policy, and harassmtent preventions procedures.
- **MTS Sexual Harassment Prevention Video** - This video is on board the ships.
- **UNOLS home page banner titled:** “ Discussing the Gender Climate at Sea”. With links to various reference documents
- **Guidelines and Recommendation Document** - dated August 11, 2016, ver: 3 Distributed
- **UNOLS Research Vessel Safety Standards-** 10<sup>th</sup> Ed. Chapter 6- *Personal Behavior and Individual Safety*. Also Appendix E- *Harassment Prevention*.





# Policy regarding UAS on UNOLS Vessels



With the recent publication of the FAA small UAS rule, a policy for UNOLS ships has become necessary. **Effective immediately, operation of Unmanned Aircraft Systems (UAS), or drones, from or over UNOLS ships may not take place without demonstrated compliance with national or international regulations (ICSA, FAA) and specific approval of the ship's captain or designee, as a minimum.** This applies to crew, techs and members of the science party, and refers to all operations, whether recreational, educational, or professional. Obtaining national approvals, such as FAA's Sec 333 exemption or Certificate of Authority or Waiver (COA), as well as pilot qualifications, are not a guarantee the operations will be approved by the ship's captain. **Recreational or hobbyist freedom of use over land is not available at sea, so the importance of contacting the ship's operator ahead of time is critical. Detailed policies and processes are in development by SCOAR to provide guidance and training.**



***Thank you!***