



## UNOLS News

Exciting updates from UNOLS & the Academic Research Fleet!

October 2017 - Volume 31, No. 3

## 2017 UNOLS Annual Meeting



*The 2017 UNOLS Meeting Featured Speaker, Dr. Marcia McNutt, President of the National Academy of Sciences. Photo courtesy of Dr. McNutt.*

UNOLS is excited to announce our 2017 Annual meeting, to be held November 29th and 30th in Alexandria, VA. The UNOLS Chair, Council and committees will share updates and highlights from the past year. UNOLS activities, goals, and plans for the coming year will be reported. Representatives from our agency sponsors will be on hand to share news on budgets and facilities.



### UNOLS EVENTS

#### [2017 RVTEC Meeting](#)

**October 24 - October 26, 2017  
Duluth, MN**

#### [2017 Council Fall Meeting](#)

**November 29, 2017  
Alexandria, VA**

#### [2017 Annual Fall Meeting](#)

**November 29 - November 30,  
2017  
Alexandria, VA**

#### [2017 FIC Fall Meeting](#)

**November 30 - December 1,  
2017  
Alexandria, VA**

#### [2017 DeSSC New Users Workshop](#)

**December 9 - December 10,  
2017  
New Orleans, LA**

#### [2017 MSROC Winter Meeting](#)

**December 10, 2017  
New Orleans, LA**

#### [2017 DeSSC Winter Meeting](#)

**December 10, 2017  
New Orleans, LA**

#### [2018 AICC Winter Meeting](#)

**January 10 - January 11, 2018  
Seattle, WA**

Our featured presentation will be given on November 29th, by Dr. Marcia McNutt, President of the National Academy of Sciences. Marcia McNutt (B.A. in physics, Colorado College; Ph.D. in Earth sciences, Scripps Institution of Oceanography) is a geophysicist and the 22nd president of the National Academy of Sciences. From 2013 to 2016, she was editor-in-chief of *Science* journals. McNutt was director of the U.S. Geological Survey from 2009 to 2013, during which time USGS responded to a number of major disasters, including the Deepwater Horizon oil spill. For her work to help contain that spill, McNutt was awarded the U.S. Coast Guard's Meritorious Service Medal. She is a fellow of the American Geophysical Union (AGU), Geological Society of America, the American Association for the Advancement of Science, and the International Association of Geodesy. McNutt is a member of the American Philosophical Society and the American Academy of Arts and Sciences, and a Foreign Member of the Royal Society, UK, and the Russian Academy of Sciences. In 1998, McNutt was awarded the AGU's Macelwane Medal for research accomplishments by a young scientist, and she received the Maurice Ewing Medal in 2007 for her contributions to deep-sea exploration.

[Click here](#) to learn more about our featured speaker and the other exciting events of our Annual Meeting. Hotel booking information is also available at this link.

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## Committee News

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### UNOLS Thanks the OOSC for their Service



*Ocean Observing Initiative Arrays, courtesy of OOI*

UNOLS and the National Science Foundation thank the members of the Ocean Observing Science Committee (OOSC) for their dedicated service as plank owner members. The OOSC served UNOLS and the

### [2018 Ocean Sciences Meeting](#)

**February 11 - 16, 2018**  
**Portland, OR**  
**UNOLS Booth # 301**

### [2018 RVOC Meeting](#)

**April 17 - April 20, 2017**  
**Narragansett, RI**

### [2018 RVTEC Meeting](#)

**October 15, 2018**  
**Woods Hole, MA**

### [2018 INMARTECH Meeting](#)

**October 16 - 18, 2018**  
**Woods Hole, MA**



#### FEATURED PHOTO

R/V *Neil Armstrong* demonstrating dynamic positioning skills off of the Intrepid museum pier in the Hudson River during Fleet Week New York in May 2017. Photo by Tim Schnoor / Office of Naval Research.

To submit a photo of the month, please email [office@unols.org](mailto:office@unols.org)

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#### ARCHIVED NEWSLETTERS

Past UNOLS Newsletters can be found on the [UNOLS Website](#)



#### FROM THE EDITOR

oceanographic community from 2010 to 2017. Their time, energies, and expertise spent providing advice and guidance on the Ocean Observatories Initiative (OOI) during its installation has been greatly valued. OOI has transitioned into operations and an NSF Ocean Observatories Initiative Facilities Board has been formed to provide independent input and guidance regarding the management and operation of the OOI. In light of this transition, the OOSC was dissolved in 2017.

*Our sincere appreciation is extended to OOSC members:*

- Larry Atkinson, ODU (Chair, OOSC)
- Emmanuel Boss, U Maine
- Suzanne Carbotte, LDEO
- Steve DiMarco, TAMU
- Mary Jo Richardson, TAMU
- Ruoying He, NCSU
- Raphael Kudela, UCSC

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## Early Career Updates

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### Marine Seismic Early Career Scientist Cruise



*The 19 participants of the Marine Seismic Chief Scientist Cruise, photo courtesy of Rebecca Fowler*

From September 26 to October 2 of this year, 19 Early Career Scientists (graduate students through Assistant Professors) participated in the Early Career Seismic Chief Scientist Training Cruise 2017 on the R/V *Roger Revelle* from/to Newport, OR. The goal of this NSF-funded program was to provide an opportunity for early career scientists (particularly non-seismologists) to acquire, process, and interpret marine seismic data in the Cascadia margin. The program consisted of pre- and post-expedition workshops and an at-sea expedition, during which participants collaborated to plan and

I would like to thank all who contributed information and articles for this issue of UNOLS News. Articles are always welcome and encouraged. Copy can be submitted by e-mail to <office@unols.org>.

Thank you,  
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execute their own marine seismic data acquisition program and learn science communication skills to widely disseminate the activities and results.

Participants were interested in a variety of science topics using the acquired seismic and other underway data, ranging from submarine landslides to the sedimentation history in the Cascadia margin.

To read more about the different participant's research projects, and about the training program in general, please visit the UNOLS cruise's blog:  
<https://csw.unols.org/scientist-posts/>

AGU's instagram (#SeismicECS):  
<https://www.instagram.com/p/BZytyaZBP2A/?taken-by=americangeophysicalunion>

and Facebook page:  
<https://www.facebook.com/UNOLSCSW/>

## Telepresence Article Featured in Proceedings of the National Academy of Sciences Opinion Section



Scientists at the University of Rhode Island's Inner Space Center use a telepresence link to discuss deep-sea sampling plans with scientists aboard the Research Vessel Atlantis. Image Courtesy Inner Space Center/Alex DeCiccio

Several participants from the 2016 *Atlantis* DeSSC Early Career Training Cruise have published an article in the Opinion section of the *Proceedings of the National Academy of Sciences* discussing the challenges and opportunities of using telepresence technology for ocean science. [Click here](#) to read the article!

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## Fleet Highlights

### SPONSORS



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## Walton Smith Cruise to Cuba



Lionfish were present in both Cuba's and the U.S. mesophotic reefs. However, Cuba showed a much lower density of this species. Photo by Cooperative Institute for Ocean Exploration, Research and Technology at Harbor Branch Oceanographic Institute.

After a month at sea, and 2,729 kilometers traveled, the University of Miami's ship R/V F.G. *Walton Smith* returned from *Cuba's Twilight Zone Reefs Expedition*. The team for this voyage consisted of scientists from the U.S. and Cuba specializing in corals, sponges, algae, and fish. The purpose of this research expedition was to discover and characterize the extent of deep water mesophotic reefs in Cuba and to compare the health and connectivity (physical, genetic, and ecological) among the mesophotic and shallow coral reef systems in Cuba and the United States. Scientists had help from the University of North Carolina Wilmington's *Mohawk* Remotely Operated Vehicle (ROV). Using the ROV, scientists were able to explore underwater areas of Cuba that have never been studied before, finding new species and enriching their knowledge of many others. Important discoveries included numerous new species of sponges (*Erylus*, *Aplysina*, *Cinachyrella*, and *Aptos*). The researchers also documented several range extensions and depth records for several species of corals, gorgonians, sponges, algae, and fish. In his mission summary, Chief Scientist John Reed (HBOI) noted that the majority of the mesophotic reefs studied in Cuba and the U.S. reflected that Cuba possesses healthier reefs with little evidence of coral disease or coral bleaching (Reed, J. (2017, June 30). *Mission Summary*. Retrieved from <http://oceanexplorer.noaa.gov/explorations/17cuba-reefs>). [Click here](#) to learn more about the cruise!

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## UNOLS Community Updates

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## UNOLS Office Re-Competition Begins



*The UNOLS Office is currently located at the University of Rhode Island, photo courtesy of Caitlin Mandel*

The UNOLS Office is on the move! In April 2019, at the completion of 10 years at the University of Rhode Island, the UNOLS Office will move to another member institution. Per the UNOLS Charter, the office's location must be reviewed by the Council every five years, and may stay at a single institution for up to two consecutive terms. The Re-competition process is currently underway, with the deadline for submitting letters of intent to host the next office due November 28th. [Click here](#) to learn more about the Re-Competition.

## UNOLS Participates in URI-GSO Open House



*Trying to coax out the sun with our fabulous UNOLS sunglasses!  
From left to right, URI student employees Nathan Carney and Hannah Dallas, Karen Besson (UNOLS) and Caitlin Mandel (UNOLS), photo courtesy of Caitlin Mandel*

For the second year in a row, UNOLS participated in the URI Graduate School of Oceanography's (GSO) Open House. Our booth featured literature on UNOLS activities, exciting videos from research expeditions, and a photo scavenger hunt to accompany the R/V *Endeavor* ship tour, which is always a crowd favorite. This year, the Open House was expanded to showcase a variety of research activities across campus. Despite the rainy day, we had over 3,000 visitors and over 500 people toured R/V *Endeavor*.

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