2014 DESSC New User Program
Agenda

Saturday, December 13, 2014: Golden Gate University, 536 Mission St., San Francisco, CA 94105 Theatre, Room 3208 (3rd floor)	
11:45-12:00	Check-In & Pizza buffet -- Participants will receive Memory Sticks -- Seated by noon for Pizza lunch during plenary
12:00-12:15	Welcome & Agenda - Vicki Ferrini, Karyn Rogers, Breea Grovenar --Introduction to UNOLS, DESSC, NDSF, Federal Agency Personnel & Roles
12:15-12:45	Introduction to Deep Sea Research --Process of using NDSF Assets --Intro to Vehicles
12:45-1:15	Introduction of Participants & Breakout Sessions
1:20-2:00	BREAKOUT Session 1
2:05-2:45	BREAKOUT Session 2
2:45- 3:15	Break
3:15-3:55	BREAKOUT Session 3
4:00-4:10	Overview of DESSC Ocean Policy Interest Group
4:10-5:00	Open Discussion of Grant Ideas General Q&A
5:00	*Adjourn Saturday workshop*
6:00	**Dinner at Serrano Hotel**, 405 Taylor St, San Francisco, CA -- Guest Speaker: Dr. Samantha B. (Mandy) Joye (University of Georgia)
Sunday, December 14, 2014: **UNOLS Deep Submergence Science Committee (DeSSC)** **Annual Community Meeting** San Francisco Marriott Marquis, Room: Nob Hill A-D 780 Mission Street, San Francisco, California 94103 USA Agenda: http://www.unols.org/sites/default/files/201412desag.pdf	

SATURDAY BREAKOUT SESSIONS
Emerging Technologies
Room 3208
Pete Girguis (Harvard University)
Carl Kaiser (Woods Hole Oceanographic Institution, NDSF, Sentry Project Manager)
Tim Crone (Lamont-Doherty Earth Observatory)
Anthony Tarantino (Woods Hole Oceanographic Institution)

There are many technical challenges associated with working in the deep sea, including the tremendous pressures, the corrosive nature of seawater, the extremes in temperature (both cold and hot, in some cases). These issues continue to impede the development of analytical and sampling technologies that are effective in the deep sea, but recent trends towards miniaturization and the coincident reduction in power demand has led to an increase in the development of in situ technologies. Here we will present some recent advances in deep sea technologies, and also provide advice on how to approach the development of your own instruments and samplers.

Grant Writing
Room 3321
George Luther (Univ. Delaware)
Karyn Rogers (Rensselaer Polytechnic Institute)

This session will focus on a discussion of the elements of developing a competitive NSF proposal that aims to utilize resources managed by the National Deep Submergence Facility and requires the UNOLS fleet support. Topics that will be covered include the central importance of concept development for hypothesis driven research; what is meant by broader impacts; the nuts and bolts of budgeting a proposal, how to make a realistic operational plan, and complying with NSF requirements for grant submission. We will provide an overview of special requirements for a proposal that requires deep-sea vehicle and ship time, including what to expect in the event that you are funded. An emphasis will be placed on resources available and/or steps you should take to help mentor you through the process of obtaining your first successful grant to get to the bottom of the ocean.

Data Management
Room 3320
Vicki Ferrini (Lamont-Doherty Earth Observatory)
Breea Govenar (Rhode Island College)

Stewardship of scientific data is fundamental to enabling new data-driven research, ensuring preservation and accessibility of high-quality data, and provides the basis for scientific reproducibility. Data re-use enables data syntheses and quantitative comparisons of data far beyond the initial scope and goals of the scientific program that acquired individual data sets. In addition, there are increasing demands on researchers to properly manage their data to comply with funding agency requirements. This session will provide an overview of available tools and services relevant to NDSF assets that facilitate data management including resources for developing data management plans, domain-specific data systems that host related data, and an overview of data publication and citation.