

MSROC Early Career Efforts



MSROC Early Career Workshop

Dec 9, 2023

~40 Participants, 8 Mentors

Topics: Working with facilities, technique development and opensource software, proposal development and conducting science at sea

Goals: Engage new and early career users of marine geophysics science facilities; provide networking and career building opportunities; learn from ECR community—what do you need/want from MSROC and facilities?

MSROC Early Career Workshop



A Group Effort and Generous Financial and Logistical Support!

Organizing committee: Lindsay Worthington, Helen Janiszewski, Andrew Gase, Shuoshuo Han, MSROC

National Science Foundation – Gail Christeson
UNOLS – Doug Russell, Bridget Harrell-Donze

MSROC Early Career Workshop



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Panel 1 : Interacting with Facilities

John Collins, Sean Higgins, Lee Ellett

Panel 2: Technical Interchange

Helen Janiszewski, Joshua Russell, Jianhua Gong,
Hanchao Jian

Panel 3: "Doing Science"

Jared Kluesner, Emilie Hooft, Satish Singh, Donna
Shillington, Maureen Walton, Jim Gaherty, Lindsay
Worthington

Networking Breaks between Panels

Poster Session

Dinner Keynote - Donna Shillington

Post Workshop Survey: What did you find particularly useful about this workshop?

I found the mix of scientific as well as MSROC administration updates and information to be extremely helpful because, as someone new to the marine seismology community, this mix of information served as a perfect and comprehensive introduction into the world of UNOLS and MSROC.

The networking was the most valuable part of the workshop but also learning what was going on in the marine seismic community was also beneficial. I also really liked the panel where the professionals gave us advice.

Hearing from the diverse backgrounds, from NSF, to ship operations, instrument operations, and scientists who used all the above to complete a project. Networking, while it can be nerve-racking, was done well and enjoyable.

Post Workshop Survey: What suggestions do you have for us to improve this type of workshop?

I think a section on proposal writing, specifically geared towards seismic/sea-going scientists and all the different facets needed to get such a project proposed and started. A technical section about learning the ins-and-outs of instrumentation, how they work, their limitations, etc.

More time for discussion/mingling

Having a place where we can put in questions prior to or after for specific talks would be beneficial because we cannot connect with everyone

Post Workshop Survey: What types of programming and/or resources would be most useful from MSROC in the future? What topics would you like to see covered in future OBSIC-OC/MSROC webinars?

on-ship training program, only a few weeks long, but the participants get a chance to interact and use scientific marine equipment etc

Proposal writing mentoring events, skill building seminars, code-sharing resources

More resources/info on how to develop a successful proposal to utilize UNOLS resources as an early career scientist.

I would like to see more about open-access marine seismic software development

repository of codes/tools users can reference to for information about processing/analyzing data.

MSROC Early Career Follow Up Activities

Follow Up

- Keep participants engaged – specific invite to 2024 MSROC meeting
- Early Career posters and lightning talks at 2024 MSROC meeting
- Planning series of webinars for spring – proposal writing, data acquisition parameters and planning, high-res capabilities across UNOLS fleet
- Recent *Langseth* letters of interest and membership nominations
- ****Wishlist****
 - Chief scientist training cruise focused on geophysics