

Marine Seismic Research Oversight Committee

Committee Update

Patrick Hart MSROC Chair

UNOLS 2018 Annual Meeting

Friday, November 2

Alexandria, VA

MSROC Membership Changes

Seismic Working Group and
Workshop Planning Committee

MSROC Annual Meeting:
December 9 at AGU

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Out:

- Pat Hart (USGS) Chair
- Anne Trehu (OSU)
- Joann Stock (Cal Tech)
- Warren Wood (NRL)

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Out:

- Pat Hart (USGS) Chair
- Anne Trehu (OSU)
- Joann Stock (Cal Tech)
- Warren Wood (NRL)

In:

- John Orcutt (SIO) Chair
- Nathan Miller (USGS)
- Lindsay Lowe
Worthington (UNM)
- Robert Steinhaus
(Steinhaus & Associates)

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Goals for membership changes:

- Important to have some turnover this year as opposed to having entire committee change after three-year terms
- Increased early-career participation (Miller and Worthington)
- Continue USGS participation (Miller)
- Add Industry representative (Steinhaus))

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John Orcutt, Distinguished Professor of Geophysics, UCSD/SIO

Education: B.S. in mathematics and physics from the U.S. Naval Academy (1966), M.Sc. in physical chemistry as a Fulbright Scholar at the University of Liverpool (1967), and Ph.D. in earth sciences from the SIO(1976).

1984 – 2002 Director, Cecil H. & Ida M. Green Institute of Geophysics and Planetary Physics, UCSD

1997 UCSD Outstanding Alumnus of the Year

1984 – present Distinguished Professor of Geophysics, SIO/UCSD

2002 – 2006 Deputy Director, Scripps Institution of Oceanography

2006 – 2007 Associate Vice Chancellor – Research Affairs; Director, UCSD Center for Earth Observations & Applications (CEOA)

2009 UCSD's Top 100 Influential Alumni

Experience in establishing and managing consortia (e.g. IRIS, CORE, IODP)

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2019 MSROC Membership:

- John Orcutt (SIO) Chair
- Nathan Bangs (UTIG)
- Del Bohnenstiehl (NCSU)
- Emily Roland (UW)
- John Hopper (GEUS)
International member
- Maria Beatrice Magnani (SMU)
- Nathan Miller (USGS)
- Lindsey Lowe Worthington (UNM)
- Robert Steinhaus (Steinhaus & Associates)

Ex-officios:

- Lee Ellett (SIO) RVTEC Chair
- Sean Gulick (UTIG) IODP
- Sean Higgins (L-DEO)
- Dan Lizarralde (WHOI)
- Donna Shillington (L-DEO)

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From the Marine.Seismology.WorkingGroup-WorkshopPlan document written by Anne Trehu (MSROC), Bob Derrick, Sean Solomon, and Mike Purdy:

Step 1: MSROC should form a Working Group to identify options for providing a Langseth-type seismic capability to the U.S. marine seismic community.

Step 2: A Community Workshop should be organized and held in Spring 2019 to define the scientific needs and shipboard requirements for providing state-of-the-art marine seismic capabilities to the U.S. research community and educating the next generation of marine geoscientists in the use of these techniques... A Workshop Organizing Committee, appointed by MSROC and including representatives from the Working Group, will work closely with UNOLS to invite and select participants and develop the workshop agenda

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Seismic Working Group (SWG):

- Pat Hart (USGS) MSROC
- John Hopper (GEUS)
MSROC
- Sean Higgins (L-DEO)
MSROC ex-officio
- Sean Gulick (UTIG)
MSROC ex-officio
- Dan Lizarralde (WHOI)
MSROC ex-officio
- Bobby Reece (UTIG)
- Suzanne Carbotte (L-DEO)
- Anthony Koppers (OSU)

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- Suzanne Carbotte (L-DEO)
- Anthony Koppers (OSU)

Workshop Planning Committee (WPC):

- Anne Trehu (OSU) MSROC WPC Chair
- Emily Roland (UW) MSROC
- Pat Hart (USGS) MSROC
- Sean Higgins (L-DEO) MSROC ex-officio
- Sean Gulick (UTIG) MSROC ex-officio
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- Introduction and MSROC update including membership changes (Pat Hart)
- NSF update including "Ideas lab workshop" and OBSIC
- UNOLS update including new host institution (Jon Alberts)
- Langseth operations update and upcoming final cruises (Sean Higgins)
- IODP perspective on seismic acquisition capabilities (Sean Gulick)
- Langseth Hawaii cruises (Donna Shillington)
- Student presentation: (Brandon Shuck UTIG); Langseth SISIE cruise Puysegur Trench, New Zealand
- Workshop Planning Committee (Anne Trehu)
- International Marine Seismic Facilities (Sean Gulick or John Hopper)
- Scripps Portable High-Resolution Seismic Acquisition System (Lee Ellett)
- Summer 2018 Mid-Atlantic Resource Imaging Experiment (MATRIX) (Nathan Miller or Carolyn Ruppel)
- Summary discussion /revisit earlier topics (Pat Hart)