



CONSORTIUM FOR OCEAN SCIENCE EXPLORATION AND ENGAGEMENT

www.cosee.net

Ocean Sciences Meeting 2016 New Orleans, LA

COSEE Exhibit

Tuesday, 23 February 2016: 9:30AM – 6:00PM

Wednesday, 24 February 2016: 9:30AM – 6:00PM

Thursday, 25 February 2016: 9:30AM – 6:00PM

Ernest N. Morial Convention Center

Booth 607

SUNDAY, FEBRUARY 21

WORKSHOP

Best Practices in Mentoring (Open to All)

This workshop will explore best practices for establishing and maintaining effective mentoring relationships. Good mentoring includes advising high school, undergraduate, graduate, and post-doctoral research, guiding early career scientists, broadening participation in Ocean Science, and establishing a network of productive colleagues. Participants will share best practices across a wide variety of mentoring situations, explore strategies to address a diversity of mentoring scenarios, and dig deeply into personal experiences to uncover both productive and non-productive mentoring situations. Come join us for an energetic workshop that will help you use mentoring to improve your success in the ocean sciences and become a better mentor. Lunch will be provided for participants of both Best Practices in Mentoring and Ocean Science Education and Outreach Workshops.

Sunday, 21 February 2016: 9:00 AM – 12:00 PM

Ernest N. Morial Convention Center - Room 211-213

WORKSHOP

Ocean Science Education and Outreach: Broadening the Reach of Your Science (Open to All)

This workshop will focus on helping participants develop ideas for effective education and outreach activities. Featuring active, hands-on learning, small group discussions, and guided inquiry, this workshop will include short presentations on exemplary projects in formal and informal education designed for K-12, undergraduate, graduate, and public audiences to stimulate ideas. Discussions of how people learn, how to assess the effectiveness of outreach activities, and how to develop projects that meet specific goals will help support project development. Participants are welcome to bring ideas that they would like to develop and share, and for which they would like to receive feedback.

Sunday, 21 February 2016: 9:00 AM – 12:00 PM

Ernest N. Morial Convention Center - Room 231-232

TUESDAY, FEBRUARY 23

COSEE Broadening Participation Guidance

Tuesday, 23 February 2016: 10:00 AM & 2:00 PM
Ernest N. Morial Convention Center
Booth 607

WORKSHOP

Undergraduate Research Mentoring Panel (Open to All)

Independent undergraduate research projects are often powerful experiences that attract a diverse set of student to pursue advanced degrees in ocean science. Please join our discussion with undergraduates and an expert panel of experienced and accomplished undergraduate mentors. We will learn both the undergraduate and experienced mentor perspectives on what works in recruiting, advising, and following up with undergraduates to ensure a positive, rewarding research experience. Mentors will include Claudia Benitez-Nelson (University of South Carolina; Research I), Kim Frashure (Bunker Hill Community College; 2 year college), and Ben Cuker (Hampton University; 4 year college).

Tuesday, 23 February 2016: 12:45 PM – 1:45 PM
Ernest N. Morial Convention Center - Room 203-205

Tides, Krill, Penguins, Oh My!: Scientists and Teachers Partner in Project CONVERGE to Bring Collaborative Antarctic Research, Authentic Data, and Scientific Inquiry into the Hands of NJ and NY Students

Kristin Hunter-thomson, Rutgers University, Josh Kohut, Rutgers Univ, Kate Florio, Liberty Science Center, Janice McDonnell, Rutgers University, Carrie Ferraro, Rutgers University, Harold Clark, Liberty Science Center, Katie Gardner, Liberty Science Center, Matthew, Oliver, University of Delaware

Session #: ED23A-03

Tuesday, 23 February 2016: 2:30 PM – 2:45 PM
Ernest N. Morial Convention Center - RO5

COSEE Sponsored Coffee Break

Tuesday, 23 February 2016: 4:00 PM – 6:00 PM
Ernest N. Morial Convention Center

Enabling the Telepresence Paradigm for the UNOLS Community - Guidance for Scientists and Ship Operators

Dwight Coleman, University of Rhode Island, Graduate School of Oceanography, Alice Doyle, UNOLS

Session #: ED24A-1652

Tuesday, 23 February 2016: 4:00 PM – 6:00 PM
Ernest N. Morial Convention Center - Poster Hall

Engaging the Public in the 38th Voyage Of The Whaling Ship the Charles W. Morgan with Coastal Telepresence Technology

Ivar Babb, University of Connecticut at Avery Point, Dwight Coleman, University of Rhode Island Narragansett Bay, Matthew Lawrence, NOAA

Session #: ED24A-1659

Tuesday, 23 February 2016: 4:00 PM – 6:00 PM
Ernest N. Morial Convention Center - Poster Hall

Piloting Telepresence-Enabled Education and Outreach Programs from a UNOLS Ship - Live Interactive Broadcasts from the R/V *Endeavor*

Dwight Coleman, URI Graduate School of Oceanography, Shannon Donovan, Scituate High School, RI, Richard Sanders, US Coast Guard Academy, Andrea Gingras, URI Graduate School of Oceanography, Alex DeCiccio, URI Graduate School of Oceanography, MarieAlyse Pereira, URI Graduate School of Oceanography, Erin Bilbo, URI Graduate School of Oceanography

Session #: ED24A-1660

Tuesday, 23 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

TOWN HALL

Oh, the Places We'll Go! Exploring the Ocean with Technology

Please join the Ocean Sciences and Underwater Operations communities to discuss increasing common ground and vision of ocean exploration. Ocean exploration has been inextricably linked with technology. Marching on from a bucket, Secchi disk and a spyglass to ROVs, satellites and sensors, we keep moving forward developing methods to look deeper and with more detail to improve our understanding of the ocean. This session will cover the current uses of technologies such as instruments and sensors, sonar and acoustics, manned submersibles commercial diving, ROVs, AUVs and UUVs and where future applications and developments can further the advancement of ocean exploration.

Presenters:

Doug Wilson, Caribbean Wind, Richard Spinrad, NOAA Washington DC, James Bellingham, Monterey Bay Aquarium Research Institute, Victor Zykov, Schmidt Ocean Institute, Jyotika Virmani, X PRIZE Foundation

Tuesday, February 23, 2016: 6:30 PM - 7:30 PM

Ernest N. Morial Convention Center - 220-221

WEDNESDAY, FEBRUARY 24

COSEE-Global Ocean Science Education Breakfast

Tuesday, 23 February 2016: 6:30 AM - 8:00 AM

Ernest N. Morial Convention Center – Mural/Yellow Room

COSEE Broadening Participation Guidance

Tuesday, 23 February 2016: 10:00 AM & 2:00 PM

Ernest N. Morial Convention Center

Booth 607

WORKSHOP

Getting people to hang on (almost) every word: Telling stories about your science (Open to All)

This workshop will be led by science reporter Ari Daniel. We are all made up of stories. They are the currency of communication and memory. In this workshop, you will learn how to take your science — and the way you usually present data and research — and frame it inside of a story. Humorous stories that make people smile, meaningful stories that make your listener care, and engaging stories that stimulate interest in your science. You'll hear some examples, and get to try it yourself. Ari is a science journalist, and contributes radio and video stories to public radio outlets, NOVA, and other non-profit and academic institutions. Lunch will be provided to the first 50 participants. This workshop is brought to you by: ASLO Outreach Committee and Polar Interdisciplinary Coordinated Education (ICE).

Wednesday, 24 February 2016: 12:45 PM – 1:45 PM

Ernest N. Morial Convention Center - Room 203 – 205

RU COOL's scalable educational focus on immersing society in the ocean through ocean observing systems

Oscar Schofield, Rutgers University, Department of Marine and Coastal Science, Janice D McDonnell, Rutgers University, Josh T Kohut, Rutgers Univ, Scott M Glenn, Rutgers University

Session #: ED33A-04

Wednesday, 24 February 2016: 2:45 PM – 3:00 PM

Ernest N. Morial Convention Center - RO5

Online Course Model that Fosters Interdisciplinary Collaboration Among Graduate Students

Annette deCharon, University of Maine, J. Theodore Repa, Repa & Associates, Carla J. Companion, University of Maine, Lisa Taylor, University of Maine

Session #: ED33A-05

Wednesday, 24 February 2016: 3:00 PM – 3:15 PM

Ernest N. Morial Convention Center - RO5

Expanding the Graduate Education Experience at Scripps Institution of Oceanography, UC San Diego

Cheryl L Peach, University of California San Diego

Session #: ED33A-06

Wednesday, 24 February 2016: 3:15 PM – 3:30 PM

Ernest N. Morial Convention Center - RO5

ScienceToGo.org: The Strengths and Weaknesses of Communicating Climate Change through Mass Transit Advertising Spaces

David Scott Lustick, University of Massachusetts Lowell, Education, Jill Lohmeier, University of Massachusetts Lowell, Education, Robert F Chen, University of Massachusetts Boston, Rick Wilson, Texas State University San Marcos, Communication, David Rabkin, Museum of Science, Shanna Rose, University of Massachusetts Lowell, Education

Session #: ED33A-07

Wednesday, 24 February 2016: 3:30 PM – 3:45 PM

Ernest N. Morial Convention Center - RO5

Broader Impact Guidance for Florida Ocean Scientists: Process, Products and Outcomes

Susan Cook, Ocean Research and Conservation Association (ORCA)

Session #: ED33A-08

Wednesday, 24 February 2016: 3:45 PM – 4:00 PM

Ernest N. Morial Convention Center - RO5

Building a Global Ocean Science Education Network

Gail Scowcroft, University of Rhode Island, Peter Tuddenham, College of Exploration, Romy Pizziconi, University of Rhode Island

Session #: ED34A-1677

Wednesday, 24 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

Can "Ozzie" the Ostrich Prepare the Public for Better Learning about Climate Change?

Robert F Chen, University of Massachusetts Boston, David Scott Lustick, University of Massachusetts Lowell, Education, Jill Lohmeier, University of Massachusetts Lowell, Education, and Lucy Lockwood, University of Massachusetts Boston,

Session #: ED34A-1678

Wednesday, 24 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

Promoting Climate And Data Literacy: University Courses Engaging Students In Effective Teaching, Learning, Communication And Outreach Practices.

Catherine Halversen, University of California Berkeley, Lawrence Hall of Science, Janice D McDonnell, Rutgers University, Jude K Apple, Western Washington University, Shannon Point Marine Center, Emily L Weiss, University of California Berkeley, Lawrence Hall of Science

Session #: ED34A-1683

Wednesday, 24 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

Ocean Sciences Sequence for Grades 6–8: Climate Change Curriculum Developed Through a Collaboration Between Scientists and Educators

Emily L Weiss, University of California Berkeley, Lawrence Hall of Science, Catherine Halversen, University of California Berkeley, Lawrence Hall of Science and Sarah Pedemonte, University of California Berkeley

Session #: ED34A-1685

Wednesday, 24 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

Increasing ocean sciences in K and 1st grade classrooms through ocean sciences curriculum aligned to A Framework for K-12 Science Education, and implementation support.

Sarah Pedemonte, University of California Berkeley, Emily L Weiss, University of California Berkeley, Lawrence Hall of Science

Session #: ED34A-1688

Wednesday, 24 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

THURSDAY, FEBRUARY 25

COSEE Broadening Participation Guidance

Tuesday, 23 February 2016: 10:00 AM & 2:00 PM

Ernest N. Morial Convention Center

Booth 607

Innovations in Environmental and Ocean Science Education I

Primary Chair: Robert Chen, University of Massachusetts Boston; Moderators: Robert Chen, University of Massachusetts Boston, Linda Duguay, University of Southern California, Cynthia Hagley, Minnesota Sea Grant

Session #: ED41A

Thursday, 25 February 2016: 8:00 AM – 10:00 AM

Ernest N. Morial Convention Center – RO5

WORKSHOP

Teaching Introductory Ocean and Environmental Sciences (Open to All)

Introductory environmental and ocean science courses provide an excellent opportunity to prepare both majors and non-majors for thinking about some of the largest issues facing society such as climate change and energy needs. Introductory courses can also serve to recruit students from highly diverse backgrounds into the field. Often, these courses are large (>50 students). This workshop will provide strategies to overcome some of the challenges of these large introductory courses while making your teaching engaging, relevant, and effective. Come ready to share ideas, to think actively about teaching and learning, and to discuss what works and why.

Thursday, 25 February 2016: 12:45 P.M. – 1:45 P.M.

Ernest N. Morial Convention Center - Room 215-216

Science Cafes: Engaging graduate students one drink at a time!

Hayley Schiebel, University of Massachusetts Boston, Robert Chen, University of Massachusetts Boston

Session #: ED34B-1710

Thursday, 25 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

The OOI Ocean Education Portal: Enabling the Development of Online Data Investigations

Charles Lichtenwalner, Rutgers University, Janice McDonnell, Rutgers University, Michael Crowley, Rutgers University, Annette deCharon, University of Maine, Carla Companion, University of Maine, Scott Glenn, Rutgers University

Session #: ED44B-1728

Thursday, 25 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

Marine Technology for Teachers and Students: A Multi-modal Approach to Integrate Technology and Ocean Sciences Instruction

Andrea Gingras, URI Graduate School of Oceanography, Christopher Knowlton, URI Graduate School of Oceanography, Gail Scowcroft, URI Graduate School of Oceanography, Ivar Babb, University of Connecticut at Avery Point, Dwight Coleman, URI Graduate School of Oceanography, Holly Morin, URI Graduate School of Oceanography

Session #: ED44B-1725

Thursday, 25 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

Mālama Wai: A science and native Hawaiian integrated case study

Florybeth La Valle, Hawaii Institute of Marine Biology, University of Hawaii at Manoa, Marine Biology Graduate Program, Donna Camvel, University of Hawaii at Manoa, Florence Thomas, Hawaii Institute of Marine Biology, Hokulani Aikau, University of Hawaii at Manoa, Judith Lemus, University of Hawaii at Manoa

Session #: ED44A-1713

Thursday, 25 February 2016: 4:00 PM – 6:00 PM

Ernest N. Morial Convention Center - Poster Hall

TOWN HALL

Promoting OceanSTEM and Blue Economy Workforce Development

As the BlueTech/Blue Economy grows, how will we cultivate a workforce to support the sector?

To tackle these needs effectively, partnerships between the research, business, military and education communities are needed to provide skills development opportunities. To be inclusive, these opportunities must also encourage transnational, inter-sectoral and interdisciplinary mobility.

During this session, we will explore several topics: clarifying the definition of a STEM capable workforce; new, innovative and dynamic education and training pathways; the voice of the employers; the role of K-12 education; developments in university education and their impact on STEM workforce readiness.

Presenters:

Deidre Sullivan, MATE Center at Monterey Peninsula College, Laurie Jugan, Mississippi Enterprise for Technology, Carlie Wiener, Schmidt Ocean Institute

Thursday, February 25, 2016: 6:30 PM - 7:30 PM

Ernest N. Morial Convention Center - 211-213