

Special Sessions – Thursday

Pacific Salon 1

Getting Hired into the Ocean Engineering / Ocean Sciences Industry

Date: Thursday 26 September

Time: 8:20-10:00

Location: Pacific Salon 1

Chair: Dr. Peter Spain, Scientific and Technical Marketing, Teledyne RD Instruments

The ocean engineering and science-related industry includes careers ranging from research and education, through manufacturing of offshore vehicles, structures and instruments, to government agency and non-governmental advocacy. Like the oceans themselves, the industry is noted for challenging opportunities involving a wide variety of supporting technical and non-technical job functions requiring cross-disciplinary creativity. Successful job candidates are able to present their combination of formal education and the soft skills and talents acquired through interests, attitudes and life experiences, that will uniquely fit the employer's needs.

This panel, representing diverse corporate and institutional interests including engineering, production, sales, tech support, and business administration, will provide their personal assessments of the best qualities of successful candidates. The session is meant for undergraduate and graduate students, military members in transition to civilian life, and individuals currently in the field looking to make themselves more valuable to their employers.

Catalyzing Innovation, Catalyzing Markets: The Wendy Schmidt Ocean Health XPRIZE and the Ocean Services Industry

Date: Thursday 26 September

Time: 10:30-11:50

Location: Pacific Salon 1

Chair: Paul Bunje, XPRIZE

The XPRIZE has recently launched the \$2 million Wendy Schmidt Ocean Health XPRIZE, a global competition for the development of accurate and affordable pH sensors to profoundly improve our understanding of ocean acidification. There are two purses available that inspire innovation for two critical marine markets: \$1,000,000 to the team produces a pH sensor of unprecedented accuracy and utility, and \$1,000,000 to the team that produces the cheapest and most usable pH sensor that also demonstrates world-class performance.

This XPRIZE demonstrates the value in catalyzing innovation for ocean data. Inspired innovators will create breakthrough pH sensors that will give scientists the ability to measure and respond to ocean

Special Sessions – Thursday

acidification. Perhaps more critically, an XPRIZE such as this will stimulate investment in research and development worth far more than the prize itself. And it will catalyze the growth of a global ocean services industry that can create and capitalize on the value of ocean data and information for a more sustainable planet.

This panel will explore the growth of Ocean Services as an industry, and identify the ways in which industry, governments, innovators, and markets can work to bring about substantial economic growth. The role of the Marine Technology Society in driving growth in marine technology, and the shared commitment to ocean technology innovation of the XPRIZE will be showcased.

Special Sessions – Thursday

Pacific Salon 2

San Diego Maritime History

Date: Thursday 26 September

Time: 10:30-11:50

Location: Pacific Salon 2

Chair: Kevin Sheehan, Ph.D, Collections Manager / Librarian / Archivist, Maritime Museum of San Diego

San Diego has a rich maritime history, chronicled after the arrival of the first European ship, San Salvador, in 1542. Oceanic exploration and technology are the key legacies that continue today in San Diego research institutions, governmental agencies and high tech maritime industries. As the centrifugal force behind this history, the Maritime Museum of San Diego will present various aspects of San Diego's maritime history – from the building of the sixteenth century galleon to the deepest diving research sub USS Dolphin – the three panelists will provide a unique reference point to San Diego's place in maritime history.

The Museum is offering free admission to conference participants as they venture to the Gala aboard USS Midway on Wed. Sept 25

International Business Special Session: U.S. Export Control Reform Affecting the Marine Industry

Date: Thursday 26 September

Time: 1:20-3:00

Location: Pacific Salon 2

Chair: Julia Rauner Guerrero, Marine Technology Team Leader, U.S. Commercial Service - U.S. Department of Commerce

U.S. Export Controls Regulations recent reforms brought numerous U.S. Department of State International Traffic in Arms Regulations (ITAR) controlled products into U.S. Department of Commerce Bureau of Industry and Security (BIS) jurisdiction. Marine products affected include submersible vessels, oceanographic equipment and related articles, as well as surface vessels of war and special naval equipment. This seminar will outline the basics of complying with U.S. export control regulations and highlight reform changes that will improve international marketing and sales opportunities for many U.S. marine industry companies.

Special Sessions – Thursday

Pacific Salon 3

Ocean Exploration 2020: A National Forum Panel Discussion

Date: Thursday 26 September

Time: 8:20-10:00

Location: Pacific Salon 3

Chair: John McDonough, Acting Director, NOAA's Office of Ocean Exploration and Research

The Ocean Exploration 2020 panel is a discussion on the results of the first-ever gathering of the ocean exploration community (government agencies, academic institutions, the private sector, and not-for-profit organizations) to design a strategy for a truly national program of ocean exploration. Panelists will discuss Ocean Exploration 2020 recommendations for exploration priorities, technology development, citizen science, and partnerships to achieve national ocean exploration objectives.

NOAA Town Hall on Systematic Telepresence-Enabled Ocean Exploration

Date: Thursday 26 September

Time: 10:30-11:50

Location: Pacific Salon 3

Chair: *Craig Russell, Program Manager, NOAA Ship Okeanos Explorer*

This town hall will highlight the present and future benefits and applications of systematic telepresence through a recap of NOAA's 2013 ocean exploration missions and discussion of the results of Ocean Exploration 2020.

Everything You Didn't Know to Ask About Ships to Reefs

Date: Thursday 26 September

Time: 1:20-3:00

Location: Pacific Salon 3

Chair: Dick Long, California Ships to Reefs, Inc.

Experts will discuss history, current state, science, technical aspects, and economics of ships to reefs programs, and what's coming in the near future.