

Special Sessions – Tuesday

Pacific Salon 1

PacX Challenge: Fostering Scientific Discoveries Across the Pacific –

Five big ideas for ocean science, one grand prize winner

Date: Tuesday 24 September

Time: 1:20-3:00

Location: Pacific Salon 1

Chair: Bill Vass, CEO, Liquid Robotics

Join us for this special technical session that is the culmination of the PacX Challenge, a one-year, Guinness world record setting, scientific adventure across the Pacific Ocean. Learn how two Wave Gliders navigated over 9442 nautical miles, autonomously, through shark attacks and a Category 4 cyclone all while collecting and transmitting unprecedented amounts of ocean surface data on a scale never before continuously collected across the Pacific Ocean. A panel of scientists from industry and academia will discuss the scientific possibilities the PacX data set affords to the scientific community worldwide.

A major component of the PacX Challenge is to foster new scientific exploration, new discoveries, and to ignite interest in science worldwide. Come hear the five finalists in the PacX Challenge competition present their research addressing some of the world's most challenging ocean issues; from measuring the ocean's health and respiration to studying the ocean's biomass - the most fundamental organisms critical to ocean life. The PacX Challenge grand prize will be awarded during this session with the winner receiving a \$50,000 research grant from BP and six months of Wave Glider ocean data services from Liquid Robotics.

NOAA Town Hall on Interagency Ocean Exploration and Research Technology

Date: Tuesday 24 September

Time: 3:30-4:50

Location: Pacific Salon 1

Chair: Craig McLean, Deputy Assistant Administrator, NOAA's Office of Oceanic and Atmospheric Research

This Town Hall will build on the discussions of the Oceans 2012 workshop: "Integrating Autonomous Technologies in Ocean Observations: Identifying Mission Applications", and will introduce the interagency Task Force for Ocean Exploration and Undersea Research Technology and Infrastructure (TFORT), recently established under Public Law 111-11 within the National

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Ocean Partnership Program's Interagency Working Group for Ocean Operations (IWG-OP). This session will present pending technology funding opportunities and framework concept for bridging ocean exploration and research requirements across agencies.

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Pacific Salon 2

International Business Special Session: Improve Your Global Market Position with US Government Resources

Date: Tuesday 24 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

Consider US Embassy Commercial Service Experts in 72 countries worldwide as your extended international marketing offices. Hear from US Embassy experts from Brazil, India, Norway and Spain / Portugal about marine technology market opportunities in these countries and how they can help position your company for sales with local partners and government. U.S. Export-Import Bank will also present on export financing and insurance resources to help increase your global competitiveness.

The Marine Technology Society and U.S. Commercial Service are Strategic Partners in supporting MTS member companies' export expansion.

Technology Transfer and Commercialization

Date: Tuesday 24 September

Time: 3:30-4:50

Location: Pacific Salon 2

Chairs: Dr. James Bellingham, Chief Technologist, Monterey Bay Aquarium Research Institute

There is a wealth of IP and technology produced by the ocean science and engineering research establishments historically and on-going. Our panel of academic and industry experts will explore these questions: How effectively are these opportunities marketed by the existing institutional technology transfer organizations? Do ocean and environmental sciences get sufficient attention? What is the acquisition interest shown by potential developers, and what factors influence a successful transfer? From the perspective of private industry, what barriers inhibit their interest and successful transfer? What can be done to improve the commercialization process?

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Pacific Salon 3

Marine Spatial Planning – Why here? Why now?

Date: Tuesday 24 September

Time: 1:20-3:00

Location: Pacific Salon 3

Chair: Michael B. Jones, President, The Maritime Alliance

Understanding bathymetry and hydrography are fundamental to doing almost anything in the ocean. The International Hydrographic Organization (IHO) is the international body responsible “to create a global environment in which States provide adequate and timely hydrographic data, products and services and ensure their widest possible use.” The Maritime Alliance has collaborated with the IHO and the UK Hydrographic Office (UKHO) on several meetings to bring together hydrographic service and technology providers with multilateral agencies to (e.g. Inter-American Development Bank, UN Development Program and the World Bank) to discuss an integrated model of Marine Spatial Planning (MSP) and Marine Spatial Management (MSM) based on hydrographic work as the basis for regional economic development.

“Lightning Talks”: Marine Technology Innovation in the Pacific

Date: Tuesday 24 September

Time: 3:30-4:50

Location: Pacific Salon 3

Chair: Eric Westreich, Defense C2 Industry Manager, Esri

This series of short “Lightning Talks” will focus on firms and institutions will be a combination of looking back, reviewing where we are today and looking ahead. The year 1963 witnessed a number of important events including the founding of the Marine Technology Society and, in San Diego, the Unified Port of San Diego and the Tidelands Trust. The following year the reverse osmosis membrane was patented by ROGA (Reverse Osmosis General Atomics), and the first ROVs were being piloted in San Diego waters. Over the following 50 years, San Diegans – natives and transplants – have been busy, innovating their ways around the world, into every sector of maritime activity imaginable, often leading the world with their particular expertise or vision.

And across the West Coast and on Hawaii, world-class oceanographic institutions were being created at Oregon State University and University of Hawaii, joining Scripps Institution of Oceanography and the School of Oceanography at University of Washington that had been established decades earlier, and to be followed later by others such as Monterey Bay Aquarium Research Institute.