

NOAA sponsored workshop at IEEE/MTS OCEAN's 2012 in Hampton Roads VA, October 15, 1-4pm

All attendees must register, conference fee not required if only attending workshop

Published title and abstract on conference website:

<http://www.oceans12mtsieehamptonroads.org/main.cfm/CID/4/Workshops/>

### **"Integrating Autonomous Technologies in Ocean Observations: Identifying Mission Applications"**

Emerging marine autonomous and remotely piloted platform technologies and sensors have matured in capability and reliability. They offer great potential for cost-effective, operationally feasible, and energy-saving solutions for observing the oceans that will complement satellite and more traditional in situ platforms, such as buoys and ships. Autonomous platforms will be used for observing missions requiring longer duration, longer range, or access to dangerous or inaccessible areas (e.g., hurricanes, sub-ice oceans). The potential exists to more fully integrate them into a comprehensive Earth observing system for coasts, oceans, weather, climate, and research missions. This workshop will identify the most promising mission application areas and system operations strategies for implementation in the next decade.

### **DRAFT AGENDA**

**Moderator: Craig McLean, DAA Oceanic and Atmospheric Research**

I Kickoff/Introductory Remarks –

Dr. Kathryn Sullivan, Assistant Secretary for Environmental Observation and Prediction (10 min)

NOAA alternative technologies strategy tasking

Alternative technology drivers – new capability / greater efficiency

Craig McLean Workshop format - (5 min)

II NOAA Mission Applications - (State mission requirement, current business case, followed by questions/discussion – What new tools/techniques are available to better accomplish our mission? )

Hydrography and Bottom Characterization – CDR Shep Smith and Dr. Tim Arcano, Director, Ocean Exploration and Research (20 min)

Questions/Discussion (20 min)

Ecosystem Assessment – Dr. Elizabeth Clarke, Northwest Fisheries Science Center (20 min)

Questions/Discussion (20 min)

Break – 15 minutes

II NOAA Mission Applications continued - (State mission requirement, current business case, followed by questions/discussion )

Weather and Ocean Observations – Dr. Helmut Portmann, Director, National Data Buoy Center (20 min)

Questions/Discussion - (20 min)

III Summary and wrap-up - Craig McLean (30 min)

Workshop outcome is Request for Information (RFI) for alternative observing strategies to be released by mid-November.