

Lisa L. Hazard

Education

Scripps Institution of Oceanography, 9/99

La Jolla, CA

- Analysis/ Physical Oceanographic Data

United States Naval Academy, 5/96

Annapolis, MD

- Bachelor of Science in Oceanography
- U.S. Coast Guard exchange student ('94)

**Professional
Experience**

9/99-Present Scripps Institution of Oceanography

La Jolla, CA

Programmer/Analyst, IV – Operations Manager

- Supervise programmer analysts, engineers, and staff research associates in the operations and maintenance of distributed environmental sensor networks developed, deployed, and maintained by Coastal Observing Research and Development Center (CORDC).
- Coordinate field efforts for installation, maintenance, and operation of Observing system assets including high frequency (HF) radar sites, wireless network, and supporting oceanographic equipment.
- Participate in the testing and deployment of new prototype systems used in ocean science research including include HF radar networks, meteorological stations, autonomous underwater vehicles, and pier-based sensors.
- Coordinate with field engineers and programmers to design and implement software, formats, protocols, and networking for data acquisition, collection, and management of near real-time systems.

5/96-4/98 United States Navy

Norfolk, VA

- Served on USS Gunston Hall (LSD-44) dock landing ship as Combat Information Center Officer
- Supervised 20 naval personnel responsible for the combat systems operations and safe radar navigation of the ship
- Employed at Commander Naval Base Safety Office

**Skills and
Knowledge**

- Management experience for small and medium size (up to 20 persons) groups
- Integrated Ocean Observing Systems (IOOS) HF Radar Data Management and Communications (DMAC) lead and participation in Group on Earth Observations
- Southern California Coastal Ocean Observing System (SCCOOS) training for Area Committee oil spill response and USCG training
- Secret clearance

**Selected
Publications**

- Rogowski, P., E. Terrill, M. Otero, L. Hazard, and W. Middleton (2012), Mapping ocean outfall plumes and their mixing using autonomous underwater vehicles, J. Water and Science Tech., (submitted).
- Rogowski, P., E. Terrill, M. Otero, L. Hazard, and W. Middleton (2012), Mapping ocean outfall plumes and their mixing using autonomous underwater vehicles, J. Geophys. Res., 117, C07016, doi:10.1029/2011JC007804.
- Harlan, J., Terrill, E., Hazard, L., et al. (2010) The IOOS High-Frequency Radar Network: Status and Local, Regional, and National Applications. Marine Technology Society Journal. Vol. 44, Number 6, Nov/Dec. 2010 pp122-132.
- Jones, B., E. J. Terrill, L. Hazard, et al, Tracking Surface Pollutants in Southern California Coastal Waters. OCEANS 2009 MTS/IEEE Biloxi, 26-29 Oct.
- Otero, M.P., E. J. Terrill, L. Hazard, S. Kim, J. Muskat, The Role of Near Real-Time Surface Current Mapping in Oil Spill Response, Poster. AGU Ocean Sciences Meeting, 22-26 February 2010, Portland, OR.
- Thomas, J., L. Hazard, et al, The Integrated Ocean Observing System in support of Maritime Transportation OCEANS 2009 MTS/IEEE Biloxi, 26-29 Oct.