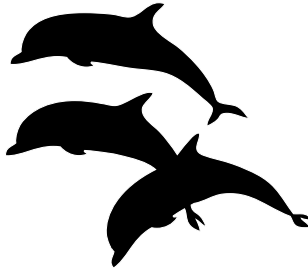


OCEANS



2013

MTS/IEEE
San Diego

SEPTEMBER 23-26, 2013

An Ocean in Common



STUDENTS AT SEA

Historically, fieldwork and time at sea have been an integral part of an oceanographer's training. Current trends show fewer scientists going to sea as a result of a shrinking science fleet, stagnated budgets, and increasing costs (Kintisch 2013). At-sea training provides a specialized learning environment and valuable at-sea experience in which students can ask their own scientific questions, collect their own data, and apply their own expertise. Current students at Scripps Institution of Oceanography have been participating in a variety of research

cruises, including cruises led and executed entirely by students. Cruise locations range from the Gulf of Mexico to Hawaii to waters of the Southern California Bight. Student-led projects on board these cruises concern a wide range of topics from marine mammal and coral reef acoustic studies to environmental impacts on local fishery species. In this session, we highlight research done by students, the value of field-driven oceanographic research today, and the need in the US for highly qualified oceanographers in the future.

PRESENTERS/TOPIC:

Karlina Merkens, Chair

Anne Simonis, Lunar trends in odontocete foraging behavior in the Southern California Bight

Simon Freeman, Hydroacoustic array based visualization of reef noise in the Hawaiian Islands

Martin Gassmann, Acoustic tracking of Southern California beaked whales

Benjamin Grupe, Discovery of a deep-sea methane seep on San Diego's continental margin

Michael Navarro, Habitat use, site fidelity, and migration of San Diegan fisheries in response to a changing climate

Emily Bockmon, Sampling method of coastal and estuarine water for dissolved inorganic carbon and pH