



Master of Advanced Studies in Marine Biodiversity & Conservation

Capstone Symposium

Wednesday, June 1, 2016

8:30 am to 5:15 pm

Robert Paine Scripps Forum, Scripps Institution of Oceanography
Reception immediately following in the Robert Paine Scripps Forum Lobby

MAS MBC Student Capstone Independent Study Projects Presentations
each followed by a 5 minute Q&A

This event will be live webcast <http://acms.ucsd.edu/services/media-event-support/sio-capstone.html>

8:30 Welcome: Phaedra Doukakis-Leslie. Scripps Institution of Oceanography (SIO) at UC San Diego (UCSD), Academic Coordinator for the MAS in Marine Biodiversity & Conservation Program

8:40 Catherine Courtier: *Comparing Apples to Oranges, and Turning Them Into Fish; A Framework for Valuing Marine Species Used by Competing Resource Users*

Advisors: Dr. Mark Jacobsen, UCSD Department of Economics (Chair); Dr. Octavio Aburto, SIO/UCSD; Alfredo Girón-Nava, SIO/UCSD

9:00 Kipp Searles: *Understanding the Relationship Between Fishery Yields and Market Price in el Golfo de Santa Clara*

Advisors: Dr. Andrew F Johnson, SIO/UCSD (Chair); Dr. Octavio Aburto-Oropeza, SIO/UCSD; Catalina López-Sagástegui, UC MEXUS-University of California, Riverside

9:20 Astrid Hsu: *Librarium: The Role of Books in Aquariums*

Advisors: Dr. Octavio Aburto, SIO/UCSD (Chair); Dr. Rachel Millstone, Department of Education Studies, UCSD

9:40 Amanda Townsel: *Evaluation of Marine-Based Ecotourism Operations in Marine Protected Areas of Baja California Sur.*

Advisors: Dr. Andrew Frederick Johnson, SIO/UCSD (Chair), Dr. Matilde Córdoba Azcárate, UCSD Department of Communication, Dr. Octavio Aburto, SIO/UCSD

10:00 Gwendal Le Fol: *Fish Bycatch in the California Large Mesh Drift Gillnet Fishery*

Advisors: Dr. Stephen Stohs, NOAA NMFS Southwest Fisheries Science Center (Chair); Dr. Heidi Dewar, NOAA NMFS Southwest Fisheries Science Center; Dr. Stuart Sandin, SIO/UCSD; Brian Stock, SIO/UCSD

10:20 Refreshment Break

10:40 Bridget Altman: *Fun with Fishes: Making the biodiversity of fishes more accessible through the use of the SIO Marine Vertebrate Collection*

Advisors: Phil Hastings, SIO/UCSD (Chair); Rochelle Mothokakobo, Ocean Discovery Institute; H.J. Walker, SIO/UCSD; Ben Frable, SIO/UCSD

11:00 Jon Walker: *Relative abundance of opah (*Lampris guttatus*) along the California coast from 1982 to 2014*

Advisors: Dr. Philip Hastings, SIO/UCSD (Chair); Dr. Steven Teo, NOAA NMFS Southwest Fisheries Science Center

11:20 Jodie Darquea: *Recognition of mangrove ecosystem services by the community and policy makers in the Gulf of Guayaquil, Ecuador*

Advisors: Dr. Lisa Levin, SIO/UCSD (Chair); Dr. Tara Whitty, SIO/UCSD; Dr. Arielle Levine, Geology Department San Diego State University; M.Sc Raul Carvajal, Conservation International-Ecuador

11:40 Kate Masury and Emily Tripp: *Follow Your Fish: Stories of American Caught Seafood*

Advisors: Dr. Theresa Sinicrope Talley, California Sea Grant (Chair); Sarah Shoffler, NOAA NMFS Southwest Fisheries Science Center; Dr. Sarah Mesnick, NOAA NMFS Southwest Fisheries Science Center; Dr. Richard Norris, SIO/UCSD

12:20 to 1:30 Lunch Break

1:30 Breck B. Archer: *In-Foam-Us: Combatting Climate Change Through Signature Product Development Using Algal Biotechnology*

Advisors: Dr. Stephen Mayfield, UCSD Division of Biological Sciences (Chair); Mark Jacobsen, UCSD Department of Economics

1:50 Aaron Keohane: *A Look into the Carrageenan Industry: How Tourism, Markets and Demand Affect the Seaweed Farmers of Bali, Indonesia*

Advisors: Dr. Jennifer Smith, SIO/UCSD (Chair); Dr. Tara Sayuri Whitty, SIO/UCSD

2:10 Amber Stronk: *A Scientist's Guide to Philanthropy: Bridging the Gap Between Marine Conservation Biologists and Funding*

Advisors: Mark Spalding, The Ocean Foundation (Chair); Stuart Krantz, SIO/UCSD; Dr. Jennifer Smith, SIO/UCSD

2:30 Helen Meigs: *The biological and market potential of farming *Pandalus platyceros**

Advisors: Dr. Greg Rouse, SIO/UCSD (Chair); Dr. Dale Squires, NOAA NMFS Southwest Fisheries Science Center; Dr. Sarah Mesnick, NOAA NMFS Southwest Fisheries Science Center; Dr. James Hilger, NOAA NMFS Southwest Fisheries Science Center

2:50 Refreshment Break

3:10 Mikki Dochez: Can Natural Products Research Contribute to Marine Conservation in Curacao?
Advisors: Tamara Mayer, MAS, Sirenas (Chair); Dr. Stuart Sandin, SIO/UCSD; Dr. Greg Rouse, SIO/UCSD

3:30 Shannon Waters: *Stand Up for Science: Lessons on Ocean Acidification from the Agua Hedionda Lagoon*

Advisors: Dr. Todd Martz (Chair), SIO/UCSD; Dr. Rachel Millstone, Ed.D., Department of Education Studies, UCSD

3:50 David Anderson: *Integrated Aquaculture of Shrimp and Clams: A Study of Environmental Impact and Economic Efficiency*

Advisors: Dr. Dale Squires, NOAA NMFS Southwest Fisheries Science Center (Chair); Dr. Stuart Sandin, SIO/UCSD

4:10 Refreshment Break

4:30 Ashly Carabetta: *Expanding Ocean Awareness through the use of Large-Scale Photomosaics*

Advisors: Dr. Stuart Sandin, SIO/UCSD (Chair); Dr. Mark Vermeij, CARMABI Research Station

4:50 Sabrina Mashburn: *Southern California's Sea Turtles: Public Perceptions & Conservation*

Advisors: Dr. Jeffrey Seminoff, NOAA NMFS Southwest Fisheries Science Center (Chair); Daniel Lawson, NOAA NMFS Protected Resources Division; Dr. Stuart Sandin, SIO/UCSD

5:10 Closing Comments - Phaedra Doukakis-Leslie

5:15 Reception - Lobby Scripps Seaside Forum