

# CMSI SPRING SYMPOSIUM

March 19, 2015

PES 3001



## Schedule

10:15 - 10:30 AM

**Registration**

(light refreshments provided)

10:30 - 10:40 AM

**Welcome and Introduction**

(John Largier & Rick Grosberg)

10:40 - 11:52 AM

**Session 1**

11:52 - 12:50 PM

**Lunch and Posters**

(Thai lunch provided)

12:50 - 2:02 PM

**Session 2**

2:20 - 3:32 PM

**Session 3**

3:50 - 5:07 PM

**Session 4**

5:07 - 6:30 PM

**Reception and Posters**

(hors d'oeuvres provided)



**UC DAVIS**

**COASTAL AND MARINE SCIENCES INSTITUTE**

10:40 - 11:52 AM

# Session 1

10:40.5	Nann Fangué Physiological and Behavioral Approaches to Studying the Biological State of California Native Fishes
10:46	Geoff Schladow A limnologist and an oceanographer walked into a bar...
10:51.5	Jim Sanchirico Small-Scale Fisheries and Marine Conservation in Developing Countries
10:57	Eric Sanford Global environmental change and the geography of local adaptation in the sea
11:02.5	Melissa Partyka Zoonoses from the Sierra to the Sea
11:08	Natalia Lopez Carranza Putting 3D models to the test: quantifying loop variability in terebratulide brachiopods
11:13.5	Marissa Baskett Adaptation and resilience in response to global environmental change
11:19	Suzanne Olyarnik Bodega Marine Reserve: Outdoor Classroom & Living Laboratory
11:24.5	Strong Group Donald Strong: The Irony of Hybrid Cordgrass in San Francisco Bay Erik Grijalva: Spartina control in the San Francisco Estuary: past, present and future
11:35.5	James Hobbs Restoration and Conservation of Fish
11:41	Joel Eenennaam Sturgeon Broodstock Management
11:46.5	Gwen Arnold Bridging the Science-Policy Divide with Environmental Social Science

12:50 - 2:02 PM

# Session 2

12:50.5	Bodega Marine Laboratory (BML) Gary Cherr: The Bodega Marine Lab Patrick Helbling: Bodega Marine Laboratory Research Support
1:01	Deedee Shideler BOON - the Bodega Ocean Observing Node
1:06.5	Greg Pasternack Coastal Ecogeomorphology
1:12	Gaylord Group Brian Gaylord Marine ecomechanics: Merging physics and ecology to understand organisms and populations Brittany Jellison Environmental change and biotic interactions: Effects of ocean acidification on behaviorally mediated predator-prey interactions
1:23	Peter Green Environmental Chemicals - Sources, Identities, Impacts and Transport
1:28.5	Grosberg Group Frances Armstrong, Brendan Cornwell & Chris Griesemer: Using next-generation sequencing approaches to understand the ecology and evolution of marine invertebrates
1:39.5	Tristan Burgess Investigating land-sea pathogen transmission in the nearshore environment
1:45	Hastings Group Alan Hastings: Modelling Issues Easton White: Population dynamics of sharks and rays at Cocos Island
1:56	Ellie Fairbairn Toxicology of Nanomaterials in Marine Embryos; and Education & Outreach with Inquiry-Based Science Outreach Pods (ISOpods)

2:20 - 3:32 PM

# Session 3

2:20	Botsford Group Louis Botsford: Models for understanding and management of marine species Lauren Yamane: Cohort resonance, the portfolio effect and Pacific salmon (Botsford and Hastings Labs) Lewis Barnett: Adaptive management of MPAs: predicted population recovery and mitigation of fishing and climate effects (Botsford, Baskett and Hastings Labs)
2:31	Robert Zierenberg Hydrothermal Systems on Seafloor Spreading Centers
2:36.5	Pete Klimley Biotelemetric Studies in Coastal and Marine Waters
2:42	Beatriz Martinez Lopez Platforms for the real-time surveillance, risk assessment and modeling of infectious diseases affecting Aquatic Organisms
2:47.5	Andrea Schreier Genomic Variation Lab - Genetic Tools Improve Aquatic Species Conservation
2:53	Jim Moore CDFW Shellfish Health Laboratory
2:58.5	Steven Morgan Ocean influences on coastal communities in an era of climate change
3:04	Moyle Group Peter Moyle: Ecology and status of fishes and macroinvertebrates in Suisun Marsh, 1979-2015 John Durand: Last bastion of native fishes in the north Delta: Manipulating physical processes and food production to support habitat diversity
3:15	Julie Eckstrom Connecting science with practitioners' needs for climate adaptation in water and air quality management
3:20.5	Hill Group Kate Davis & Emily Rivest: Climate change in past and modern ecosystems: Biogeochemistry and marine species response Tessa Hill: Climate change and ocean acidification: Science for innovative education and informed decision making

3:50 - 5:07 PM

# Session 4

3:50	Ian Faloona The Meteorology & Climatology of Coastal Fog
3:55.5	Kirsten Gilardi Marine Research & Service Programs of the SVM Wildlife Health Center
4:01	Paul Olin Aquaculture and Endangered Coho Salmon Recovery
4:06.5	Ann Russell Ocean and estuarine chemistry: modern dynamics and paleotracers
4:12	Laura Rogers-Bennett Marine Invertebrate Fisheries and Conservation in California
4:17.5	Woutrina Smith One Health research at land-sea interfaces in California
4:23	Edwin Grosholz Biological Invasions and Climate Change in Estuarine Ecosystems
4:28.5	Jay Stachowicz Biodiversity, genetics and community ecology of seagrass ecosystems from local to global scales
4:34	Anne Todgham Environmental Physiology in a Changing Climate
4:39.5	Andrew Whitehead Ecological Genomics in Coastal Killifish
4:45	Largier Group John Largier: Environmental oceanography in coastal waters Matt Robart: Circulation and water quality in estuaries and bays
4:56	Ron Tjeerdema Fate and Effects of Contaminants in Aquatic Systems
5:01.5	Howard Spero Carbon Fixation and Translocation in a Symbiotic Planktonic Foraminifera Using TEM and NanoSIMS