



STATE OF THE COAST

October 28, 2017 • Florence Events Center

7:45 **Registration**
Auditorium

8:30 **Welcome**
Auditorium **Shelby Walker,**
Oregon Sea Grant
Marion Rossi
OSU College of Liberal Arts

8:45 **Keynote**
Auditorium *'The Ecosystem of Innovation
Addressing Coastal Issues'*
Rick Spinrad
NOAA, OSU (retired)

9:30 **Break**

9:50 **Coastal Snapshots**
Auditorium *Updates on issues, challenges, or
opportunities related to coastal Oregon*

1. Green Crabs *Sylvia Yamada, OSU*

**2. The Oregon Coast Through a Federal
Legislative Lens** *Courtney Flathers,
Office of U.S. Senator Jeff Merkley*

3. Why Don't We Eat Local Seafood?
Jennifer Burns Bright, food writer

**4. Student Artist at Sea on the
Pacific Storm** *Abi Losli,
Independent Artist*

**5. Pyrosomes- What are We Seeing this
Year?** *Hilarie Sorensen, UO*

6. Seafood Traceability and Availability
Gil Sylvia, OSU

11:30 **Poster and
Art Session**
Auditorium

12:00 **Lunch**

1:30 **Concurrent Breakout Session #1**
Choose one from the following:

Auditorium **1. Innovations in Coastal Governance:**
*Members of Oregon's Coastal Caucus
(Senator Roblan and Representatives
Brock Smith, Boone, Gomberg, and
McKeown) are joined by Lincoln County
Commissioner (Terry Thompson) and our
Keynote Speaker (Rick Spinrad) to
discuss the importance of creativity and
vision when working to balance local and
non-local needs for Oregon's coastal
communities.*

Room 1 **2. Innovations in Ocean Condition
Forecasting:** *Predicting ocean
conditions is challenging and important
for personal, public, and business
decisions. It requires ocean observation
and data assimilation (Craig Risien, OSU),
interpretation and reporting (Sven
Nelaimischkies, NWS), and, ultimately,
putting forecasts to use to improve
commercial fishing (Bob Kemp, local
fisherman) and recreational activities
(Charlie Plybon, local surfer).*

Room 5 **3. The Creative Coast:** *How do we teach
student artists to engage with coastal
communities? Situate their learning in
coastal communities! Come see and hear
from the faculty and students involved in
this year's Creative Coast experiences at
Cape Perpetua. With Michael Boonstra,
Amy Gibson, Hunter Keller, Andy Myers,
Paris Gabrielle Myers, Charles Robinson
and Jazzmyn Smith.*

Room 3-4 **4. Innovations in Seafood:** *What's best:
fresh or frozen, and why? The answer
might surprise you. Come learn about
the latest science in the fresh vs. frozen
debate from Tyson Rasor (Ecotrust), Keith
Cox (Seafood Analytics) and Ann
Colonna (OSU Food Innovation Center).*

Room 2 **Networking Space**

2:30 **Break**

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2:45 **Concurrent Breakout Session #2**
Choose one from the following:

Auditorium

1. Managing the Estuary for Everyone: *Estuaries are critically important yet often misunderstood places in the coastal landscape. Whether the topic is growing oysters (Brett Dumbauld, USDA), planning for estuary use (Jill Rolph, Coos County), green crabs (Sylvia Yamada, OSU), or assessing the impacts of regulations (Lori Steele, WCSPA), this panel will expose you to innovative approaches to managing Oregon's estuaries*

Room 1

2. Innovation in Marine Mammal Observation: *Leigh Torres is a marine mammal ecologist at OSU. Little did she know going into this line of work that she'd get so excited to develop systems to observe and track whales when they poop. Come find out why.*

Room 5

3. Innovation in Gear and Technology: *The ocean is a beautiful and harsh environment, and working in it requires constant preparation and adaptation. Sara Skamsar (Foulweather Trawl), Chris Dewey (Maritime Archeological Society), Walt Waldorf (OSU), and Alex Rash and Gatlin Andrews (Newport High School's MATE ROV team) will share the creativity and planning needed to design and successfully deploy gear and technology in the water.*

Room 3-4

4. Innovative seafood products and approaches: *For this year's cooking demo, come listen, watch, and engage with local chef Jon "JT" Trusty and Kaety Jacobson (Oregon Sea Grant) as they share how to buy and prepare Oregon seafood (albacore and pink shrimp).*

Room 2

Networking Space

3:45 **Capnote and Awards**
Auditorium

4:00 **Reception and Raffle**
Rooms 3- 4

Complete an informative and fun day by celebrating with the artist award winners and the student poster award winners. Enjoy some relaxed time visiting with participants and presenters alike; maybe you'll even leave with a great raffle prize. And, of course, there'll be tasty food and a no-host bar to share and enjoy!

Many thanks to the 2017 Planning Committee:

Jan Hodder OIMB
Charlie Plybon Surfrider Foundation
Fran Recht Pacific States Marine Fisheries Commission
Charles Robinson OSU / Arts Engagement
Bob Kemp Fisherman
Kelly Sutherland UO
Caren Braby ODFW
Jessica Kuonen OSU Grad Student
Scott Heppell OSU
Clare Hansen OCCC Aquarist Program
Brett Dumbauld USDA
Renee O'Neill SMILE
Elise Granick PSU
Terry Thompson Fisherman & Lincoln County Commissioner

2017 Featured Artists & Student Poster Presenters

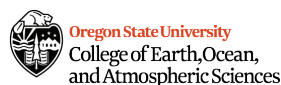
Featured Artists

- Abi Losli**, Independent Artist A.) Winema Beach
B.) Pacific Storm
- Samm Newton**, OSU C.) Measuring the World
D.) Pteropods Realized
- Tara Pierce**, OSU E.) Sperm Whales (1)
F.) Sperm Whales (2)
- Amy Isler Gibson**, OSU G.) The Way Hope Builds His House
- Jazzmin Smith**, OSU H.) Strangest Seas
- Kei Lin Chang**, OSU I.) re purposed no.1
- Morgan Kollen**, OSU J.) Unite
- Paris Gabriella Myers**, OSU K.) Transcribing the Unseen
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Student Poster Presenters

- 1: Alexandra Avila** - OSU *Just Going with the Flow: How Ocean Currents Influences the Dispersal of Larval Rockfish (Genus Sebastes spp.) from Marine Protected Areas in OR and WA*
- 2: Brita Baechler** - PSU *Microplastics in our Food? Providing a Baseline of Microplastic Concentrations in Oregon's Commercially and Recreationally Important Pacific Oysters and Pacific Razor Clams*
- 3: Ian Black** - OSU *Utilizing an Open Source CTD as a Tool for Ocean Education and Research Cooperation*
- 4: Tori Bohlen** - OSU *Seeking pathways for Olympia oyster restoration through partnerships with producers*
- 5: Lorne Curran** - OSU *Yelloweye Rockfish: evaluating the potential for genetic population structure on the US West Coast*
- 6: Sandra Dorning** - UO *Pre-settlement swimming behavior and substrate selection by Pacific Sea Nettle (Chrysaora fuscescens) planula larvae*
- 7: Amy Ehrhart**- PSU *Testing the waters: Investigating effects of wastewater contaminants on a commercially harvested bivalve*
- 8: Brian Erickson** - OSU *Is teaching students about ocean acidification enough to inspire action?*
- 9: Margaret Exton** - OSU *Fluid-soil interaction in a geotechnical centrifuge*
- 10: Cassie Finer** - OSU *Dike removal and salt marsh restoration for fish habitat: Estimating the effects on coastal land markets*
- 11: Reva Gillman** - OSU *Species transported on Japanese tsunami marine debris: How have they travelled prior to tsunami debris?*
- 12: Hannah Gossner** - OSU *Adaptation of Local Shellfish to Ocean Acidification and Hypoxia*
- 13: Trevor Grandy** - OSU *Saving Darlingtonia: Pumping, pollution, public participation and perceived impacts to a carnivorous pitcher plant, Darlingtonia State Natural Site, Florence, Oregon*
- 14: Katlyn Haven** - OSU *Abundance, distribution, and habitat usage of young-of-the-year groundfish assemblages in soft-sediment habitats along the central Oregon Coast*

- 15: Jennifer Hayduk** - OSU..... *Evaluating nutrient enrichment and food web effects in upwelling-influenced eelgrass (*Zostera marina* L.) systems*
- 16: Dorthy Horn** - PSU..... *Impacts of Microplastic on Reproductive Development in Pacific mole crabs on the Oregon coast.*
- 17: Bryn Hudson** - PSU..... *Assessing Shifting Efforts in Oregon's Nearshore Fisheries*
- 18: Zofia Knorek** - UO..... *Seasonal variation in an Oregon population of the colonial tunicate *Didemnum vexillum**
- 19: Jessica Kuonen** - OSU..... *From science to application: Supporting the implementation of short-term operational ocean condition forecasts for public use*
- 20: Karen Law** - OSU..... *Recruitment, Growth, Fecundity, and Mortality of Olympia Oysters (*Ostrea lurida*): A Comparison between a Commercial Mariculture Operation and Different Restoration Techniques in Yaquina Bay, OR*
- 21: Elizabeth Lee** - OSU..... *Examining the genomic diversity among Dungeness crab (*Cancer magister*) recruits along the Oregon coast*
- 22: David Madison** - OSU..... *Bacteriophages significantly reduce larval oyster mortality caused by *Vibrio coralliilyticus* infection*
- 23: Caitlin Magel** - OSU..... *State of the Estuary: Changes to water quality and pH following eelgrass die-off in South Slough National Estuarine Research Reserve*
- 24: Maria Jose Marin Jarrin** - UO..... *Shelf-estuary coupling: A case study of the Coos Bay estuary in southern Oregon*
- 25: Peter Morrow** - OSU..... *Determining the effectiveness of educational tools and products used by natural resource management agencies: A case study of the Oregon State Marine Board*
- 26: Kelly Muething** - OSU..... *Comparing fish and crab use of the aquaculture/eelgrass (*Zostera marina*) boundary for two different methods of Pacific oyster (*Crassostrea gigas*) aquaculture*
- 27: Aubrey Myers** - OSU..... *Anchors Aweigh: Assessing the seafood, wave energy, subsea groundwater nexus using GIS*
- 28: Alexa Romersa** - UO..... *Developing a Sustainable Barnacle Fishery*
- 29: Risako Sakai** - OSU..... *Overcoming academic boundaries: Are interdisciplinary approaches between natural and social sciences more effective conservation?*
- 30: Brittany Schwartzkopf** - OSU..... *The importance and use of Oregon estuaries by juvenile rockfishes*
- 31: Kaegan Scully-Engelmeyer** - PSU..... *Exploring Biophysical Linkages Between Forestry Practices and Oregon's Freshwater and Estuarine Bivalves*
- 32: Sarah Seabrook** - OSU..... *What is the "worth" of the deep sea to the public?*
- 33: Andrew Senogles** - OSU.... *Monitoring of Landslides and Erosion on the Oregon Coast*
- 34: Astrea Strawn** - OSU..... *Old(er) men of the sea: Examining potential connections between fishery and graying.*
- 35: Hayley Strenke** - OSU..... *Crew dynamics and safety in commercial fishing*
- 36: Danielle Verna** - PSU..... *A risk-based vector screening protocol applied to invasive species and ballast water management in Oregon*



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Brought to you by Oregon Sea Grant, STATE OF THE COAST is a coastal conference where everybody from scientists to industries to citizens can learn, network, and engage in the current and future state of Oregon's marine environment.