



STATE OF THE COAST

October 27, 2018 • Coos Bay, Oregon

8:00 **Registration & Coffee** Lobby

8:30 **Welcome** Auditorium

8:45 **Keynote** Author Sam Kean Auditorium
'A Sense of Wellbeing or Danger: How the Brain Perceives and Creates a Coastal Scene'

9:30 **BREAK & Book Signing** Lobby

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

- 1. Passing the Torch for Coastal Management** Patty Snow & Bob Bailey, DLCD
- 2. Eelgrass Decline in the South Slough Estuary** Ali Helms, SSNERR
- 3. Commercial Hagfish Fisheries Off the Oregon Coast: It's What's for Dinner** Cameron Sharp, ODFW
- 4. The 'Tropical' Oregon Coast** Ted Strub, OSU
- 5. Making Oregon Oregon: Some Living Legacies of Governor Tom McCall** Marion Rossi, OSU
- 6. Preventing Plastic Pollution Through Policy** Briana Goodwin, Surfrider Foundation
- 7. A Life Meant for the Sea** Ben Russell, Commercial Fisherman turned Research Facilities Manager
- 8. Charleston Fishing Families: Connections and Support** Jackie Chambers, Charleston Fishing Families
- 9. Ocean Acidification and Hypoxia Coordinating Council** Aaron Galloway, UO / OIMB
- 10. PacWave: Testing Wave Energy For the Future** Sarah Henkel, OSU
- 11. Observing Change, Sharing Knowledge: a Proposal to Network Communities and Coastal Observing Systems** Selina Heppell, OSU

11:50 to 1:00 **Poster and Art Session** Lobby

12:00 to 1:15 **LUNCH**

1:30 **Breakout Session #1**

- 1. Oil and Gas Off of Oregon's Coast: What's Going On?** Auditorium
- 2. Communicating Science for Non-science Audiences** Blackbox
- 3. Life at Sea** Upstairs
- 4. Coastal Dunes: Past, Present, Future** Upstairs

2:30 to 2:45 **BREAK**

2:45 **Breakout Session #2**

- 5. Crab and Climate: Latest Research From the Field** Auditorium
- 6. The Coast Through the Lens of a Camera: The Must-Have Photos for Any Science Story** Blackbox
- 7. Coos & Coquille Watershed Associations: Celebrating 25 Years of Stewardship and a Look at What's Next** Upstairs
- 8. Seaweed 101** Upstairs

4:00 **Awards, Reception, Raffle** Lobby

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1:30

Breakout Session #1 Descriptions

1. Oil and Gas Off of Oregon's Coast: What's Going On? Auditorium

Are you looking to gain some insight into this controversial topic through the lenses of policy, science, and advocacy? Join Patty Snow (OR's Coastal Management Program), State Senator Arnie Roblan, Charlie Plybon (OR Policy Manager, Surfrider Foundation), and Doug Helton (NOAA Emergency Response Scientist) in a session that is sure to inform and stimulate a rich exchange. Moderated by Jena Carter, Chair of the Ocean Policy Advisory Committee.

2. Communicating Science for Non-science Audiences Blackbox

Are you on the supply or demand side of this= important topic. Come engage with this through the= lens of research experience for teachers (with=Christina Geyerman, North Bend HS Teacher), college=student led Instagram effort (Ocean Everblue, Ellie=Jones, UO/OIMB), connecting citizens with academic=research and learning (Abby Metzger, OSU/CEOAS),= community-based marine protection (Maya Holiman,= Redfish Rocks Rangers), and reaching out through film= (invited - Tad Pfeffer, University of Colorado).

3. Life at Sea Upstairs

What's it like spending time aboard a vessel on the sea? Come listen and share the trials and triumphs with a commercial fisherman turned research facilities manager (Ben Russell, OSU), a research technician (Ian Black, OOI), a benthic ecologist (Sarah Henkel, OSU), and an artist-historian (Samm Newton, OSU).

4. Coastal Dunes: Past, Present, Future Upstairs

This session will provide myriad perspectives on Oregon's inland and outer fore-dune systems, an amazing place that is important habitat for multiple species and uses. Join in the conversation with a community ecologist who studies the invasive and native species (Sally Hacker, OSU), a State-level manager who focuses on planning, management, stabilization and protection (Jay Sennewald, OPRD), and a Federal-level manager whose cooperative efforts focus on restoration of the inland dune system (OR Dunes NRA).

2:45

Breakout Session #2 Descriptions

5. Crab and Climate: Latest Research From the Field Auditorium

Dungeness Crab is one of Oregon's crown jewels of seafood. 2018 was an excellent year: the crabs were plentiful and the meat was delicious. What does the future hold? There is no crystal ball but there are researchers (Julie Schram's team from UO, Liz Lee's team from OSU) and managers (Steve Rumrill from ODFW) studying this important fishery and how it may or may not be impacted by change.

6. The Coast Through the Lens of a Camera: The Must-Have Photos for Any Science Story Blackbox

This hands-on session will illuminate the six types of images that are needed in order to have a complete photo essay that engages readers and fully illustrates a topic. Whether creating images for posters or creating a portfolio to go with a publication, come listen and practice the art of photographic storytelling with professional photographer Jaymi Heimbruch.

7. Coos & Coquille Watershed Associations: Celebrating 25 Years of Stewardship and a Look at What's Next Upstairs

As two of the oldest watershed associations in Oregon, the Coos and Coquille have a wealth of knowledge and many successful restoration projects. Haley Lutz (Coos Watershed Association) joins Melaney Dunne and Kyle Motley (Coquille Watershed Association) to share their experiences, what they have accomplished to date, and their exciting plans for future.

8. Seaweed 101 Upstairs

What do you know about Oregon's seaweeds? Most of us have limited understanding about this interesting and important feature of the coast! This session will provide an opportunity to learn about the science and biology of seaweeds from Chris Langdon (OSU), foraging for seaweed/how to recreationally harvest it from Dan Sawyer ("the seaweed guy"), and experiences with farming dulse in Port Orford (Tom Calvanese (OSU Field Station)

2018 Student Artist & Poster Presenters

Student Artists

- A. Janet Austin, OSU
- B. Alexandra Avila, OSU
- C. Kaycie Blohm, OSU
- D. Zoë Clegg, OSU
- E. MacKenna Hainey, UO
- F. Bayan Kalysbekova, OSU
- G. Carissa Kern, OSU
- H. Elizabeth Locke, OSU
- I. Jens Lovtang, OSU
- J. Jenna Miller, OSU
- K. Paris Myers, OSU
- L. Samm Newton, OSU
- M. Shanna Roast, OSU
- N. Joselyn Serrano, OSU
- O. Jonathan Weinmann, OSU

Student Poster Presenters

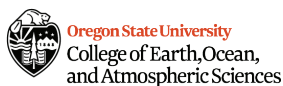
- 1: **Jacob Blessing** - OSU..... *Capitalizing on Oregon's Offshore Freshwater Bounty RENEWABLE Food Energy Water on Land and Sea (REFEWLS)*
- 2: **Tori Bohlen** - OSU..... *Commercial mariculture of Olympia oysters (*Ostrea lurida*): can development of a domestic market concurrently serve to enhance populations?*
- 3: **Ted Conroy** - UO..... *Past, Present, and Potential Future Hydrodynamics and Sediment Transport in the Coos Estuary*
- 4: **Katherine Darr** - OSU *The Deep Sea and Me: Development and Evaluation of an Exhibit to Gauge Public Perception of Oregon's Deep Sea*
- 5: **Taylor Dodrill** - OHSU *Monitoring Lesser Known Harmful Algal Bloom Species on the Oregon Coast*
- 6: **Mary English** - OSU *Rhizosphere affects eelgrass physiology after transplantation*
- 7: **Isabella Garcia** - UO..... *Science Communication in a Universal Language: Excitement and passion can translate across audiences*
- 8: **Brianna Haugen** - OSU..... *Perceptions of a Changing Ocean: Resilience, Flexibility and the Commercial Fishing Industry*
- 9: **Morgan Janes** - UO..... *Reproductive patterns of *Pyrosoma atlanticum* off the Oregon coast*
- 10: **Jessamyn Johnson** - OSU *The Impact of Food Supply and Ocean Acidification on Juvenile Pacific Oysters*
- 11: **Geoffrey Johnson** - UO..... *360 Years of Land-Use Change and Effects on Water Quality*
- 12: **Ellie Jones** - UO *Comparison of plastic debris in deep sea canyon, continental slope, and continental shelf sediments*
- 13: **Haley Kent** - OSU. *Gray whale (*Eschrichtius robustus*) prey preference in Port Orford, Oregon*
- 14: **Brandon Kieft** - OSU *Wintertime river plumes structure microbial communities on the Oregon coast*
- 15: **Katherine Lasdin** - OSU.... *Potential for Microplastic Ingestion and Impacts for Nearshore Rockfish*
- 16: **Adrian Laufer** - OSU *The Oregon Coastal and Ocean Information Network*
- 17: **Elizabeth Lee** - OSU..... *Big Fishery, Big Data, & Little Crabs: Using genomic methods to examine the seasonal recruitment patterns of early-life stage Dungeness crab (*Cancer magister*)*

Student Poster Presenters

- 18: Maria Jose Marin Jarrin** - UO *The influence of wind on circulation in Coos Bay, OR*
- 19: Emily Mazur** - OSU *Improving Information Delivery Tools for Oregon Coastal Resource Decision Makers*
- 20: Danielle Miller** - OSU *The Data Stream: Assessing the flow of real-time marine science data from research vessel to the classroom*
- 21: Michael Moses** - OSU *How can we make ocean acidification measurement more accessible to natural resource managers?*
- 22: Katharine Nalven** - OSU *Inspire Change While Talking Trash*
- 23: Erin Peck** - OSU *Changing sediment and blue carbon accumulation recorded in Oregon salt marshes*
- 24: Anja Sjostrom** - OSU *Collaborating the Nearshore: Exploring the Benefits of Combining Local and Scientific Ecological Knowledge to Reconstruct Historical Usage of the Oregon Nearshore Groundfish Trawl Fishery*
- 25: Gregory Stelmach** - OSU *Public attitude towards regulation of liquefied natural gas export*
- 26: Korrina Wirfs** - OSU *The Case of the Disappearing Eelgrass*
- 27: Reyn Yoshioka** - UO *An eelgrass pathogen synthesizes essential fatty acids*
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Many thanks to the 2018 Planning Committee:

Ann Farrell-Matthews Southwestern Oregon Community College
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Bob Kemp Fisherman
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Maya Watts University of Oregon / Oregon Institute of Marine Biology
Bree Yednock South Slough National Estuarine Research Reserve



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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.