

AERS-SEERS Fall Joint Meeting 2020  
November 2 – 6, 2020

## Meeting Schedule

### Monday, November 2nd- Posters and opening ceremony

Opening remarks from Jim Fourqurean, CERF President (recorded)

Anna	Albright	Attenuation of boat-wake energy and habitat creation using novel living shoreline approaches
Tyler	Cooper-Kolb	Using sedimentary characteristics to assess living shoreline effectiveness against erosion
John	Carroll	The utility of ribbed mussels to aid in living shorelines success in Georgia
Danielle	Dyson	Changing Seagrass Patterns in Barnegat Bay
Hannah	Elizabeth	Zostera marina seed bank resiliency following Hurricane Florence (2018) and Hurricane Dorian (2019)
LeeAnn	Haaf	The Effects of Climate and Coastal flooding on low-lying American holly (Ilex opaca Aiton)
Raven	Hurt	Assessing the utility of eDNA techniques to monitor white shrimp abundance on the Georgia coast
Joseph	Luczkovich	Comparing Side-Scan imagery and Single-Beam SONAR for Benthic Habitat and Vegetation Surveys
Lindsey	Stevenson	The effects of oyster aquaculture on submerged aquatic vegetation (SAV) water quality and light habitat requirements
Ellyse	Sutliff	Effects of oyster aquaculture on biogeochemical habitat requirements for submersed aquatic vegetation (SAV) in Chesapeake Bay, Maryland
Caitlin	Turner	Wind effects on estuary exchange flow at a barrier island inlet
Mike	Wheeler	Leaf tip morphology does not support species status for Halodule beaudettei in Florida, USA
Nina	Woodard	Borrowing ecological principles: Effect of substrate orientation and complexity on reef formation
Eric	Wright	Barrier island spit evolution at the terminus of a mainland attached coastal system: DeBordieu Island, SC

### Tuesday, November 3<sup>rd</sup> -

Release fun task associated with theme of sessions- (guided by Student reps) Recorded

### Wednesday, November 4<sup>th</sup> -

- 07:45-12:15 – The Coastal Society Margaret A. Davidson Coastal Career Development Program Workshop (POC: Tom Bigford, [tebigford@gmail.com](mailto:tebigford@gmail.com)) [Draft agenda](#)

## Thursday, November 5<sup>th</sup> – Welcome, Keynote Panel, and Session 1

- 13:00-14:00 - Welcome and keynote (webinar style)

**MODERATORS:** Shannon (Primary), Angela (Secondary)

a) 10 min – Welcome by AERS (Ben Fertig) and SEERS (Enrique Reyes) Presidents

b) 40 min – Panel on Coastal Research during COVID with

i) Kari St. Laurent, PhD

*Kari St. Laurent is currently an environmental scientist at the Delaware Department of Natural Resources and Environmental Control and the Research Coordinator for the Delaware National Estuarine Research Reserve. She received a Ph.D. in oceanography from the Graduate School of Oceanography at the University of Rhode Island in 2014. Her research interests broadly include organic pollutants, coastal acidification, tidal wetland carbon processes, and biochar applications in wetland restoration.*

ii) Autumn Oczkowski, PhD

*Autumn Oczkowski currently is a researcher at the U.S. Environmental Protection Agency's Atlantic Coastal Environmental Sciences Division in Narragansett, RI. She is a systems ecologist whose research often focuses on how anthropogenic nutrient loads impact coastal and freshwater ecosystems. She uses tools such as stable isotopes (natural abundance and tracer), laboratory and greenhouse mesocosms, long-term field datasets, and fixed-site monitoring stations to examine the links between upstream nutrient runoff and riverine and estuarine food webs. Much of her current work also looks at the impacts of climate change on coastal ecosystems and the net impact of these changes on nutrient dynamics. She also works across scales, from individual organisms to entire estuaries, and across climatic zones, from temperate to tropical. Dr. Oczkowski earned a B.S. in Geology from Washington and Lee University, an M.S. in Earth Sciences, Geochemical Systems from the University of New Hampshire, and a Ph.D. in Biological Oceanography from the University of Rhode Island's Graduate School of Oceanography.*

iii) Karen McGlathery, PhD

*Karen McGlathery is Professor of Environmental Sciences at the University of Virginia, Lead PI of the Virginia Coast Reserve Long Term Ecological Research Program, and Director of UVA's Environmental Resilience Institute. Her research focuses on the effects of environmental change, including climate, sea-level rise, eutrophication, and species invasions on coastal marine ecosystems. Her collaborative work with NGOs, universities and regional stakeholders addresses the resilience of coastal habitats, especially in the context of decisions for coastal adaptation to sea-level rise and storms. McGlathery's group was the first to show the role of restoration in reinstating seagrass 'blue carbon' storage in coastal ecosystems. In addition to Virginia's Eastern Shore, she and her students have worked in New England, Florida, Bermuda, Denmark, New Zealand, and Mozambique. She teaches courses in Global Coastal Change, Coastal Resilience, Water and Watershed Resilience, Estuarine Ecology, Coastal Oceanography, and Conservation. She serves on the Board of the Foundation of the Virginia State Arboretum and the Research and Education Advisory Committee of Virginia Sea Grant. She received her Ph.D. from Cornell University.*

- 14:30-16:00 Session 1

**MODERATORS:** Treda (Primary), LeeAnn (Secondary)

a) 14:30-14:45 Eric Schott

- b) 14:45-15:00 Chloe VanderMolen
- c) 15:00-15:15 Mary Curran
- d) 15:15-15:30 Meredith Comi
- e) 15:30-15:45 Rachel Gittman
- f) 15:45-16:00 Amy Grogan

- 16:00-17:00 Networking breakout time - theme based using the exhibitor type system

## Friday, November 6<sup>th</sup> – Sessions 2 -4 and Business Meetings

- 8:30-10:00 Session 2  
**MODERATORS:** Angela (Primary), Shannon (Secondary)
  - a) 08:30-08:45 William Annis
  - b) 08:45-09:00 Jeffrey Cornwell
  - c) 09:00-09:15 Alexandria Knoell
  - d) 09:15-09:30 Judith Weis
  - e) 09:30-09:45 Taryn Chaya
  - f) 09:45-10:00 Additional Q&A/Discussion
- -scavenger hunt/ break-
- 10:30-11:30 Business meetings  
**MODERATORS:** Shannon (SEERS), Treda and Angela (AERS)
- 13:00-14:30 Session 3  
**MODERATORS:** Treda (Primary), Shannon (Secondary)
  - a) 13:00-13:15 Halley Carruthers
  - b) 13:15-13:30 Kristen Laccetti
  - c) 13:30-13:45 James Pinckney
  - d) 13:45-14:00 Spencer Tassone
  - e) 14:00-14:15 Andrew McGowan
  - f) 14:15-14:30 Esra Gokturk
- -scavenger hunt/ break-
- 15:00-16:30 Session 4  
**MODERATORS:** LeeAnn (Primary), Shannon (Secondary)
  - a) 15:00-15:15 Noah Gwynn
  - b) 15:15-15:30 Raymond Czaja
  - c) 15:30-15:45 Timothy Lee
  - d) 15:45-16:00 Robert Virnstein
  - e) 16:00-16:15 Additional Q&A/Discussion
- 4:30-5:00 Thank you and closing ceremony  
**MODERATORS:** Shannon, Treda, Angela, LeeAnn