

NC STATE UNIVERSITY

Coastal Resilience and Sustainability Initiative

Agenda for September 22, 2021

When: September 22, 2021 11:45 a.m. - 1:00 p.m.
Where: Talley Student Union Rm 4140 - Governance Chamber
Virtual link at <https://go.ncsu.edu/coastalresilience>

- I. Welcome and Introductions
- II. Lightning Talk Presentations
 1. The Climate Change and Society Masters Program - **Robert Mera**
 2. Long term prediction of Atlantic hurricane activity: A Machine Learning approach - **Dr. Hamid Krim**
 3. AI/ML at the Edge: Real-time Actionable Knowledge Discovery - **Raju Vatsavai**
 4. Understand the past, present and future sea-level changes - **Paul Liu**
 5. Observing and Predicting Historical, Current, and Future Coastal Environmental Conditions - **Roy He**
 6. Forecasting Water Quality in Coastal Systems - **Daniel Obenour**
 7. Novel methods for microplastics collection and removal using active particle microcleaners - **Orlin Velev**
 8. Oceans and Human Health - **Ayse Ercumen**
 9. Co-production of climate adaptation in ecosystems - **Aranzazu Lascurain**
 10. Design for Rural Resilience - **Bryan Bell**
 11. Coastal Zone Soil Research - **Matthew Ricker**
 12. Watersheds: The Key to Resilient Landscapes - **Chuck Flink**
 13. Strategic tidal marsh creation contributes to coastal resiliency - **Mike Burchell**
 14. FLOODWISE: Nature-Based Solutions for Flood Reduction for Farms and Communities in Eastern North Carolina - **Fred Cabbage, Meredith Hovis and Ted Shear**
 15. Climate impacts in animal agriculture productivity - **Sara Shashaani**
 16. Economics of Saltwater Intrusion on Coastal Agricultural Lands - **Rod Rejesus**
 17. Health and Behavior Sensors for Mussels, Fish and Plants - **Alper Bozkurt**
 18. StriperHub: Striped Bass Aquaculture - **Benjamin Reading**
 19. Southeast Climate Adaptation Science Center Coastal Resilience Working Group - **Cari Furiness**
- III. Closing Remarks