

NC STATE UNIVERSITY

Coastal Resilience and Sustainability Initiative

Agenda for October 13, 2021

When: October 13, 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. Mobile Robots for Coastal Aquaculture - John-Paul Ore
 2. Pathways to barrier drowning arising from coastal management practices - Katherine Anarde
 3. Should Sunny Day Floods Trigger Swim Advisories? - Natalie Nelson
 4. Executive Order 80 and post-Florence efforts at the state level - Sarah Spiegler
 5. Co-designing Communication and Control Systems for Resilient Operation of Electric Microgrids - Aranya Chakraborty
 6. Achieving decarbonization and reliability in future power grids - Jeremiah Johnson
 7. Citizen Utilities - Mo-Yuen Chow
 8. Alternative Fuels and Resilience in the Coastal Carolinas - Heather Brutz
 9. Open Source Energy System Modeling - Joe DeCarolis
 10. Soft Variable Area Energy Harvesting - Veenasri Vallem
 11. Quantifying Changing Precipitation in a Warmer Climate for Resilient Design - Jared Bowden
 12. Forested coastal wetland resilience - Marcelo Ardon
 13. Phytotoxins in NC coastal waters - Astrid Schnetzer
 14. Towards Real-Time Fecal Indicator Bacteria Monitoring in Nearshore Waters - Angela Harris
 15. The Economics of Coastal Wastewater Management - Eric Edwards
 16. Academic Acceleration, Can We Meet the Grand Challenge? - Julie Swann
 17. Title slide only (not able to present): Rewilding Architecture: Building as Ecosystem Enhancement - George Elvin
 18. Title slide only (not able to present): Florence, Floods, Forests, and Wastewater Treatment - Elizabeth Nichols
 19. Title slide only (not able to present): Evaluating the Potential of Natural Infrastructure for Flood Mitigation - Barbara Doll
- III. Closing Remarks