

URI Coastal Resilience Science and Engineering Workshop
December 4, 2017, 8:30 AM to 5:45 PM
Coastal Institute Auditorium, Narragansett Bay Campus

8:30 to 8:45 AM Welcome, Grover Fugate, Director, RI Coastal Resources Management Council

Work In Progress

8:45 to 9:15 AM Developing a multi-model ensemble system for assessing hurricane hazards and impacts. I. Ginis, GSO

9:15 to 9:45 AM Simulations of coastal and inland flooding from high-impact hurricanes in Rhode Island, D. Ullman, GSO

9:45 to 10:00 AM Break

10:00 to 10:30 AM Modeling of transport and flushing of mobilized pollutants and debris caused by hurricanes, C. Kincaid, GSO

10:30 to 11:00 AM Recent advances in modeling coastal flooding, coastal erosion, and inland flooding generated by hurricanes in the northeast of the US, Reza Hashemi, OCE/GSO

11:00 – 11:30 AM Improving resiliency of coastal communities with reinforced dunes, C. Baxter and B. Maggie, OCE

11:30 – 12:15 PM Panel discussion

12:15- 1:30 PM Lunch (Brown Bag)

1:30 – 2:00 PM STORMTOOLS Coastal Environmental Risk Index: Charlestown and Warwick, RI, Malcolm L. Spaulding, OCE

2:00- 2:30 PM Assessing the impact of extreme storms on barrier beaches. The example of Charlestown RI, Annette Grilli, OCE

2:30 – 3:15 PM Break

3:15- 3:45 PM Projected shoreline change maps for the Rhode Island South Shore, Bryan Oakley, Eastern Connecticut State University

3:45 – 4:15 PM Integrated Watershed and River Modeling Study of the Pawtuxet River, Rhode Island, Reza Hashemi, OCE/GSO

4:15 – 4:45 PM Simulation of the coastal impact of extreme storms and tsunamis with a wave-resolving model, including effects of real time erosion, Stephan Grilli, OCE/GSO

Studies starting

4:45- 5:00 PM Briefing on the EPSCOR bio-geochemical modeling program in Narragansett Bay, Lew Rothstein, GSO

5:00- 5:15 PM Application of CERI to Barrington, Warren, and Bristol and STORMTOOLS Design Elevation Maps, Annette Grilli, OCE

5:15– 5:45 PM Panel discussion