

## Center for Applied Coastal Research (CACR)

- ❖ The Center for Applied Coastal Research is an interdisciplinary center that provides a focal point for research in coastal processes and coastal engineering.
- ❖ Members of CACR are coastal engineers, coastal geologists, and oceanographers, primarily from the University of Delaware.
- ❖ Faculty affiliates represent the UD Department of Civil and Environmental Engineering and College of Marine Studies.
- ❖ CACR also hosts international visitors from universities, institutes, and other organizations.
- ❖ CACR's two-story, 30m x 38m Ocean Engineering Laboratory is one of the largest laboratories for coastal and ocean processes in the United States. Facilities include
  - Directional wave basin for the study of realistic wave environments on coastal processes
  - Precision wave tank
  - Spiral wave basin for small-scale coastal processes studies with a circular "infinite" beach
  - Recirculating Armstrong flume
  - Sand beach wave tank
- ❖ CACR organizes seminar series, publishes reports, and develops software for modeling of coastal and ocean engineering processes.
- ❖ The coastal and ocean engineering program offers opportunities for study and research in wave mechanics, beach and shoreline erosion, and interaction of coastal structures with waves and sediments.



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