

## Directory

## Military IACs

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CEIAC serves as a central information resource for all aspects of coastal engineering including:

- Maintaining Operations in Harbors for Military Vessels
- Predicting Operating Climates in the Nearshore and Surf Zones
- Logistical Capabilities for Sustaining Troops
- Ship Motion
- Logistics-Over-the-Shore (LOTS)
- Forecasting Surf Zone Conditions
- Rapidly Implaced Breakwater Systems (RIBS)
- Contaminated Material Dredging and Containment
- Coastal Navigation and Inlets
- Navigation Structures
- Coastal Waves
- Harbor Waves
- Shoreline Erosion Control and Prediction

### How to contact CEIAC:

CEIAC  
Commander  
U.S. Army Engineer Waterways  
Experiment Station  
Attn: CEWES-CV-1  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199

Tel: (601) 634-3000  
Fax: (601) 634-2055  
s.wagner@cerc.wes.army.mil  
[http://bigfoot.cerc.wes.army.mil/CERC\\_homepage.html](http://bigfoot.cerc.wes.army.mil/CERC_homepage.html)

## CEIAC

The Coastal Engineering Defense  
Information Analysis Center

CEIAC was established within the Coastal Engineering Research Center (CERC) at the Waterways Experiment Station (WES) to provide a focal point for information related to coastal engineering and science.

CEIAC is supported by CERC's multi-disciplinary technical staff which offers expertise in the areas of coastal waves and currents, coastal sedimentary processes, coastal structures, dredging, coastal hazards and risk assessment, to identify, process, and disseminate coastal engineering information in support of current defense research and development efforts and to provide direct mission support. In addition, CERC maintains an extensive database of wave data which can be transferred to users via file transfer protocol (FTP).

CEIAC has access to the WES Research Library which has a collection of over 500,000 items. CEIAC has the added advantages of total access to WES's information technology, communication, and computer resources, including fiber-optic communications, computer video graphics, automated databases, and optical disk storage and retrieval. In addition, the WES-operated DoD High-Performance Computing Major Shared Resource Center offers cutting-edge capabilities for computational archival storage, scientific visualization, and networking.



## Services

One of the principal activities of CEIAC staff is responding to inquiries from the user community. Additionally, CEIAC distributes a number of information products. The following sampling of inquiries and information products demonstrates the variety of information CEIAC assesses and disseminates to the user community:

### **Logistics Over the Shore (LOTS)**

Assistant Secretary of the Army for Research, Development, and Acquisition (ASARDA)

### **SHOALS Hydrographic Charting Survey**

Naval Oceanographic Office

### **Ground Truth for Remote Sensing of the Littoral Zone**

Office of Naval Research

### **Spectral Wave Prediction System**

Naval Oceanographic Office

### **Math Parallelization of Wind Wave Model**

Naval Research Lab

### **Surf Zone Countermining System**

Naval Surface Warfare Center

### **Kings Bay Coastal and Estuarine Monitoring and Evaluation**

Naval Facility Engineering Command

### **Formerly Used Defense Site-Beach and Nearshore Ordnance Detection**

Defense Environmental Restoration Program

## Products

### ***CERCular***

This is a quarterly newsletter that highlights results from ongoing research programs with a special emphasis on articles relating to application of research results or technology to specific project needs.

### ***Coastal Engineering Technical Notes (CETN)***

This is a notebook of over 160 technical notes on the entire range of coastal engineering and science.

### ***Automated Coastal Engineering System (ACES)***

ACES is system of micro-computer programs for use in coastal engineering planning and design.

### ***Coastal Modeling System (CMS)***

CMS is a system of computer programs, many of which operate on the Cray Supercomputer, for use in coastal engineering planning and design.

### ***Shore Protection Manual (SPM)***

SPM is a two-volume manual with over 1,200 pages of information for planning and design of coastal projects.

For additional information on price, availability, and distribution limitations, contact the CEIAC or visit our website at: <http://bigfoot.cerc.wes.army.mil/CERC/homepage.html>

## Staff

The previous information is only an introduction to the scope, services, and products available from CEIAC. For more information on CEIAC's capabilities, contact the following individual:

### **Stephen E. Wagner**

*Director*

Tel: (601) 634-3000

Fax: (601) 634-2055

[s.wagner@cerc.wes.army.mil](mailto:s.wagner@cerc.wes.army.mil)