CSR News Highlights

We are pleased to share with you CSR's research achievements and center activities for 2014. Please click on the links below to review a summary of the Center's news highlights for the past year.

For a complete list of news, click here: Center Newsletters.

Department of Homeland Security S&T Recognition:
Stevens Institute of Technology Awarded DHS Center of Excellence in Maritime and Port Security. In August 2014, the Department of Homeland Security Science and Technology Directorate, selected Stevens Institute of Technology in its re-compete bid as the co-lead university in the new Center of Excellence for Maritime Research (CMR), formerly known as the Center for Maritime, Island, Remote and Extreme Environment Security (MIREES).

Over the next five years, CSR will continue to provide education programs and conduct research to enhance Maritime Domain Awareness and will expand its efforts to discover and deploy new technologies that will support day-to-day missions in a manner that also creates surging capabilities (e.g., enhanced communications and sensing networks, reduced response time, enhanced workforce capabilities) in response to events of national significance and stakeholder needs.

Under the new Center’s designation, CSR’s academic partners will include Massachusetts Institute of Technology, Florida Atlantic University, Louisiana State University, University of Connecticut, University of Miami, Elizabeth City State University, and the University of Puerto Rico-Mayaguez.

Stevens Institute of Technology will co-lead the new Center for Maritime Research in collaboration with the University of Alaska Anchorage (UAA), who will conduct research in areas related to the Arctic region. For more information about the CMR and the DHS S&T Center of Excellence designation, please click here: DHS S&T Press Release.

Research, Tools and Technology Development:
- DHS CDG Doctoral Fellow deploys Passive Acoustic Signal Recorder 360 device to detect security zone intrusions.
- Researchers discuss results of multi-sensor technology experiment.
- CSR researchers conduct second HF Radar experiment in the Mona Passage.
- CSR student research team gathers end-user feedback to enhance the functionality and capabilities of Magello.
- Stevens researcher provides vital data to assist cruise ships coming to port in the New York Harbor.
- PANYNJ awards Stevens Institute with a five-year contract to support coastal resiliency and to predict storm surge.
Stakeholder Engagement:

- Admiral Robert C. Parker joins CSR Advisory Board.
- CSR Director participates in Coast Guard Evergreen External Stakeholder Workshop.
- Vice Adm. Charles D. Michel meets with the Center’s research principal investigators.
- CSR hosts visitors from the Department of State International Visitor Leadership Program.
- CSR provides workshops for Chilean researchers and discuss maritime domain awareness with military officials in an international networking exchange program.
- UPRM and CaribCOOS host Coastal Ocean and Shelf Seas International Coordination Workshop.
- Dr. Hugh Roarty, Research Project Manager, participates in a planning meeting to test state and national alert and notification procedures during a maritime crisis situation.

Publications and Professional Recognition:

- CSR Director of Education publishes book chapter entitled *Maritime Security Summer Research Institute*.
- Jim Rice and Kai Trepte publish article on Port Capacity Bottlenecks and Resilience.
- T. Wakeman, chairs TRB panel responsible for reviewing work on the research report *Making U.S. Ports Resilient as Part of Extended Intermodal Supply Chains*.
- Wakeman and Miller, publish report entitled *Lessons from Hurricane Sandy for Port Resilience*.
- Dr. Julie Pullen selected to join National Academies committee to prepare a 10-year U.S. research agenda for Advancing Subseasonal and Seasonal Forecasting of the Ocean and Atmosphere.

Education and Student News:

- CSR hosts talented engineering and science students in Maritime Security-centric Summer Research Institute.
- Summer research students meet with CBP practitioners and attend a Port Awareness and Prevention course hosted by the NYPD Counterterrorism Division.
- Grace Python, DHS CDG Fellow, assumes Analyst position at Analytic Services, Inc.
- Danielle Holden, DHS CDG Fellow, hired as an Environmental and Navigational Risk Analyst for DNV- GL Oil & Gas in Houston, TX.
- Hasan Shahid, Summer Research Institute Alumni, awarded a DHS Career Development Grant.
- USCG Auxiliary recognizes Stevens student program in a formal Planking Ceremony.
- USCG Auxiliary students patrol the Hudson River with the Captain and Crew of the USCGC Sturgeon Bay.

www.stevens.edu/CSR

CSR is a DHS S&T national Center of Excellence in Port and Maritime Security.