

CSR SUMMER RESEARCH INSTITUTE



Student Benefits

- Enhanced educational experience through experiential research.
- Engagement in real-world research and analysis as it relates to US maritime and port security.
- Competitive summer research stipends.
- Free on-campus accommodations.

Criteria for Participation

- Undergraduate students must be in their junior or senior year of study, possess an excellent academic record (GPA of 3.0 or better) and currently enrolled in a degree program.
- Graduate students must be currently enrolled in a degree program and demonstrate a GPA of 3.5 or better.
- Students from CSR partner schools are given priority in admissions decisions.

Application Process and Deadline

Students must submit a statement of interest, one letter of recommendation, and complete an online application form on the CSR website at www.stevens.edu/SummerInstitute. The deadline for submitting applications is February 27, 2015.

Location

The 2015 CSR Summer Research Institute will be hosted by Stevens Institute of Technology in Hoboken, NJ. Situated along the Hudson River, opposite the New York City skyline, the Stevens campus provides Summer Institute students a unique opportunity to study first-hand the complex maritime security issues of urban waterways and ports.

For more information, please contact

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THE NATIONAL CENTER FOR SECURE AND RESILIENT MARITIME COMMERCE (CSR)

SUMMER RESEARCH INSTITUTE 2015

June 1 - July 24, 2015
 Hoboken, New Jersey



CSR SUMMER RESEARCH INSTITUTE

The National Center for Secure and Resilient Maritime Commerce (CSR) is a designated Department of Homeland Security National Center of Excellence in port and maritime security. Established in 2008, the CSR serves as the Department of Homeland Security's (DHS) lead port security research and education center, delivering educational programs, conducting innovative research, and developing new technologies to enhance our nation's maritime security.



Our Mission

The CSR supports the Department of Homeland Security's efforts to secure the nation's maritime borders, promote safe navigation and commerce, protect ocean resources and maritime infrastructure, and provide for the safe and secure use of US coastal and offshore areas, as well as inland waterways, through the advancement of the relevant sciences and technology, and the professional development of our nation's maritime domain workforce.

Research Focus

- Maritime Domain Awareness (MDA)
- Maritime Surveillance Technologies and Sensors
- Modeling and Simulation
- Data Analysis and Integration
- Transportation Systems Design for Resilience

CSR Academic and Industry and Government Partners

The CSR brings together a unique group of academic institutions and public and private partners, led by Stevens Institute of Technology, Hoboken, New Jersey.

Academic Partners

- Stevens Institute of Technology
- Rutgers University
- University of Miami
- University of Puerto Rico at Mayaguez
- Massachusetts Institute of Technology
- Florida Atlantic University
- University of Connecticut
- Louisiana State University

Industry and Government Partners

- The Port Authority of New York & New Jersey
- The Mattingley Group
- The Pacific Basin Development Council (PBDC)
- Nansen Environmental Remote Sensing Center (NERSC)

www.stevens.edu/csr/SummerInstitute



SUMMER RESEARCH INSTITUTE

The CSR Summer Research Institute provides undergraduate and graduate students a unique opportunity to participate in an intensive eight-week research program designed to tackle critical issues in maritime domain awareness, emergency response, and maritime system resilience to enhance our nation's maritime security.

This highly-collaborative, hands-on summer research program emphasizes critical thinking and multi-disciplinary research to generate innovative ideas and solutions to address complex maritime security issues.

SUMMER PROGRAM OVERVIEW:

- Students engage in thought provoking seminars and lectures by CSR researchers, maritime industry and government experts.
- Participate in collaborative multi-disciplinary, hands-on research, through modeling and simulation projects, data collection, and real-time analysis.
- Engage in field visits to ports, laboratories, and industry and government sites.
- Work as part of a motivated team to prepare final reports and present research findings and conclusions to CSR researchers and DHS officials.
- Selected team projects will be featured at DHS conferences and meetings.