



## 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 up to \$5,000.
- 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 at a CSR partner university.

Graduate students must be currently enrolled in a CSR partner university and demonstrate a GPA of 3.5 or better.

### Application Process and Deadline:

Students must submit a statement of interest, and complete an online application form on the CSR website at [www.stevens.edu/csr/SummerInstitute](http://www.stevens.edu/csr/SummerInstitute). The deadline for submitting applications is January 15, 2010. Admission decisions will be announced on or around February 15, 2010.

### Location:

The 2010 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. Each year the Summer Research Institute rotates locations between the CSR partner universities.

### For more information, please contact:

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[www.stevens.edu/CSR](http://www.stevens.edu/CSR)

**STEVENS**  
Institute of Technology

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

## SUMMER RESEARCH INSTITUTE

June 7 - July 30, 2010  
Hoboken, New Jersey



[www.stevens.edu/csr/SummerInstitute](http://www.stevens.edu/csr/SummerInstitute)

# 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.

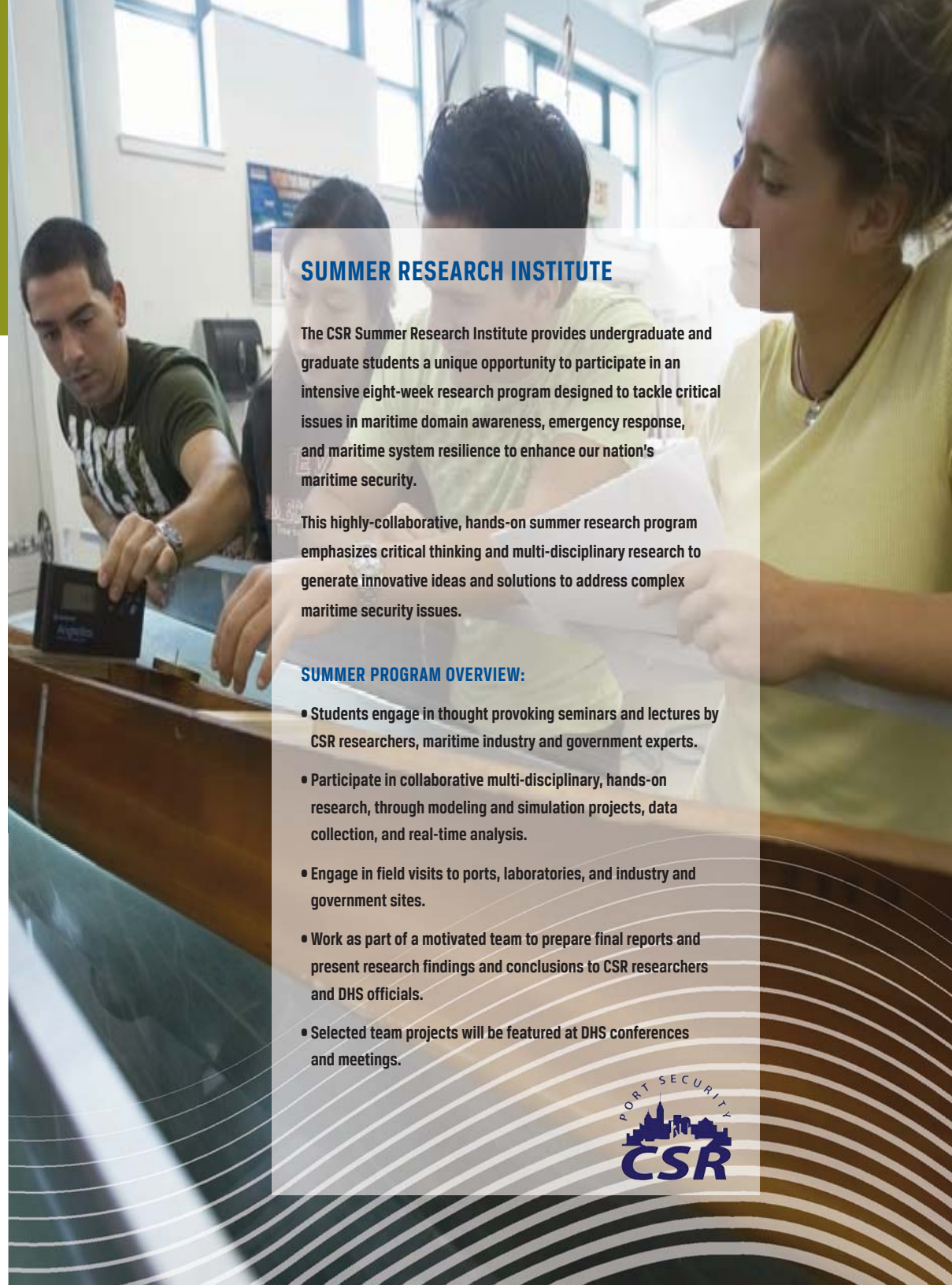
## Academic Partners:

- Stevens Institute of Technology
- Rutgers University
- University of Miami
- University of Puerto Rico at Mayaguez
- Massachusetts Institute of Technology
- Monmouth University
- The Global Maritime and Transportation School at the U.S. Merchant Marine Academy

## Industry and Government Partners:

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

[www.stevens.edu/csr/SummerInstitute](http://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.

