



## The Center for Secure and Resilient Maritime Commerce

Spring 2011 Course Offering:

# PORT SECURITY SENSING TECHNOLOGIES

April 4 - 6, 2011

Ronald Reagan Building, Washington, DC

This three-day professional development course uses selected topics from the Stevens Institute of Technology's graduate level courses in Port Security Sensing Technologies and Technologies for Maritime Security (OE-810 and OE-628).

### COURSE DESCRIPTION

The objective of this course is to enable participants to understand the basic sensor technologies used in Port Security applications, to engage in discussions of these at a management level, and to make informed management decisions in their areas of responsibility regarding relevant technology-based solutions.

### INSTRUCTION AND ORGANIZATION

This course is led by experienced and highly qualified former maritime industry and government practitioners and by nationally recognized scientists and senior researchers from the DHS National Center for Secure and Resilient Maritime Commerce (CSR), the Center for Maritime Systems (CMS), and the Office of Naval Research (ONR) sponsored Maritime Security Laboratory (MSL).

Participants are exposed to case studies and illustrative examples. The course is designed to facilitate an open dialog and the sharing of relevant experiences and lessons learned in port security.

### COURSE MATERIAL

Participants will receive a binder containing notes and additional readings specifically organized for this course.

### AUDIENCE

This course is tailored to maritime security professionals and practitioners who engage in management-level decisions and acquisitions as they relate to security technology and applications in port and maritime environments.

Day 1

**Module 1** - Course overview, port security applications and port security threats.

**Module 2** - High Frequency (HF) Radar - Technology overview, applications in port security, and other related topics.

Day 2

**Module 3** - Visual and Infrared Surveillance-Technology overview, applications in port security, computer vision, and other related topics.

**Module 4** - Active and Passive Acoustics - Technology overview, applications in port security, advantages and limitations, and available systems/products.

Day 3

**Module 5** - Satellite Surveillance - Technology overview, applications in port security, advantages and limitations, and other related topics.

**Module 6** - Layered sensor technologies-Context and utility within the Marine Transportation System.

### REGISTRATION

To register visit: <http://dc.stevens.edu/course-schedule>  
(Click on Maritime Security under Academic Program Schedule.)

### GENERAL INFORMATION

For information on course delivery, tuition & fees, please contact:  
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