

Center for Secure and Resilient Maritime Commerce (CSR)



NATIONAL CENTER FOR MARITIME RESEARCH

CENTER NEWSLETTER – MARCH 2015

New Center Name and Logo – Effective April 2015

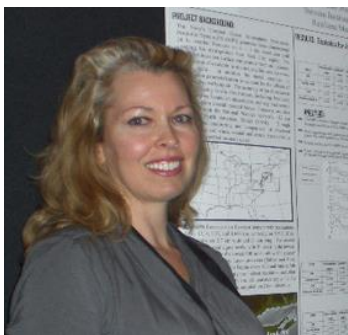


CSR will transition to a new name and logo as of April 2015. The Center will now be called the **Maritime Security Center (MSC)**. The Center's name change is part of the organization's re-competed designation as a DHS Center of Excellence in Maritime and Port Security.

The Maritime Security Center's academic partners include Stevens Institute of Technology (Lead University), Massachusetts Institute of Technology, University of Miami, University of Puerto Rico-Mayaguez, Louisiana State University, University of Connecticut, Elizabeth City State University, and Florida Atlantic University.

MSC leverages the physical infrastructure and intellectual capital of its academic, industry and government partners to conduct innovative research, develop new tools and technologies, and provide relevant maritime security focused educational programs to enhance our nation's maritime domain awareness, the resiliency of our Marine Transportation System (MTS) and the technical skills and leadership capabilities of our current and prospective maritime security workforce.

The Center's website, program materials, and newsletter header are being updated to reflect the name change.



Dr. Julie Pullen, Director, MSC, elected into governing body position within The Oceanography Society.

Dr. Julie Pullen elected as Physical Oceanography Councilor for The Oceanography Society. Dr. Pullen, Director, MSC, has been elected by her colleagues in The Oceanography Society to serve as a Physical Oceanography Councilor. As an elected member of the governing body, Dr. Pullen will participate in directing the affairs and determining the future of the Society.

Dr. Pullen's research expertise is in coupled ocean-atmosphere modeling for understanding and predicting the dynamics of coastal urban regions throughout the world. Specific research interests include the ocean response to atmospheric flows around steep terrain, and sea breeze interactions with urban morphology.

[The Oceanography Society \(TOS\)](#) was founded in 1988 to disseminate knowledge of oceanography and its application through research and education, to promote communication among oceanographers, and to provide a constituency for consensus-building across all the disciplines of the field. TOS activities include publishing the Oceanography journal, supporting conferences, and selecting fellows and awarding honors to distinguished scientists.

Maritime Risk Symposium Co-chairs, Dr. Julie Pullen and Dr. Joseph

DiRenzo participate in Naval War College Symposium. Dr. Julie Pullen, Director, MSC, and Dr. Joseph DiRenzo III, Senior Advisor to the Area Commander for Science, Technology and Innovation, Coast Guard Atlantic Area, recently participated in the Maritime Power and International Security Symposium, hosted by the U.S. Naval War College. Dr. Pullen and Dr. DiRenzo, are the co-chairs for the upcoming [6th Annual Maritime Risk Symposium](#), to be held at the Stevens Institute of Technology campus in Hoboken, NJ.



Drs. Pullen and DiRenzo attend the Maritime Power and International Security Symposium hosted by the Naval War College.

At the Maritime Power and International Security Symposium, Dr. DiRenzo participated as a panelist on the Humanitarian Assistance and Disaster Relief Panel. He is the Coast Guard Chair at the Joint Forces Staff College and teaches for both American Military University and Northcentral University. Discussions at the Symposium also covered the recently released [Cooperative Strategy on the Navy, Coast Guard and Marine Corps](#), and included panels on counterterrorism and special operations forces, and threat deterrence.

The two-day event was attended by members of the Council on Foreign Relations, U.S. Navy, U.S. Coast Guard, U.S. Marines, United Nations and representatives from academia. Visit the following link for a press release on the event: [Maritime Power Symposium](#).



Summer Research Institute (SRI) program alumni to intern at DHS NUSTL. Nicholas Monzillo (SRI 2013) and Gina Salmans (SRI 2014), have been selected to participate in internships within the Department of Homeland Security National Urban Security Technology Laboratory (NUSTL), in New York City, NY. The students will be working with NUSTL's Systems Assessment and Validation for Emergency Responders (SAVER) Program.

The SAVER program was established by the DHS Science and Technology Directorate to conduct objective assessments and validations on commercial equipment and systems, and to provide those results along with other relevant equipment information to the emergency responder community.

The student's internship responsibilities will include researching emergency responder technologies, engaging with end-users and commercial technology vendors, conducting market research, and completing reports on their findings.

During her tenure in the 2014 SRI program, Gina Salmans participated in the testing and evaluation of the Center's [Magello Emergency Response Tool](#), and in 2013, Nicholas Monzillo and his teammates prepared a case study focused on the impacts of Customs and Border Protection's Centers for Excellence and Expertise on trade facilitation.

Nick Monzillo, SRI 2013 program alumni (shown above), and Gina Salmans (SRI 2014) have both been selected for internships at NUSTL.

The students will be working under the supervision and mentorship of Dr. Lawrence Ruth, Director, Systems Division, DHS S&T NUSTL. To learn more about NUSTL and its SAVER program, click the following links [NUSTL](#), [SAVER](#).

DHS CDG Fellows and Stevens faculty attend DHS NUSTL Countering Unmanned Aerial Systems Seminar.

DHS Career Development Grant (CDG) Fellowship students, Alex Pollara (Maritime Security Doctoral Fellow), Nicholas Haliscak (Maritime Systems Master's Degree Fellow) and Hasan Shahid (Maritime Systems Master's Degree Fellow) attended a seminar presented by Mr. Joseph Scott, Program Manager, Resilient Systems Division, [Homeland Security Advanced Research Projects Agency \(HSARPA\)](#), DHS S&T Directorate, and Mr. Bhavan Singh of the U.S. Army Armament Research, Development and Engineering Center (ARDEC), held at the [National Urban Security Technology Laboratory \(NUSTL\)](#), on March 26, 2015.

In the seminar entitled **Countering Unmanned Aerial Systems**, Mr. Scott discussed the latest advances in unmanned aerial systems (UAS) and the approaches DHS S&T is looking at to detect, track and mitigate small unmanned aerial platforms in urban environments. Through its research DHS S&T is trying to gain an understanding of how various technologies behave and can be used to detect, monitor, sort and respond to small and medium UAS threats.

The seminar was provided as part of the New York Area Science and Technology (NYAST) Forum, coordinated by NUSTL.



www.stevens.edu/CSR

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