MSC Research Update
September 2019

MSC seeks organizations to host internships for STEM student placement in 2020. The MSC is seeking field-based internship opportunities for its Summer Research Institute (SRI) student alumni during the summer of 2020. As part of the MSC’s education workplan, the center will provide stipend support for up to four qualified undergraduate and graduate-level STEM students to conduct maritime and homeland security focused research in a ten-week internship on-site at a DHS component agency or in a related homeland security organization. Student candidates will have had prior research experience with the MSC, be eligible for a suitability clearance and have expressed interest in a career in the homeland security enterprise.

Internship host organizations will propose research topics and will provide professional mentorship of the student throughout the program. Please contact MSC education director, Beth Austin-DeFares at bdefares@stevens.edu or by phone at 201.216.5362, if your agency is interested in hosting an MSC STEM intern this coming summer.

Kick-off meetings for MSC research projects held with USCG. MSC researchers held 3 project kick-off meetings this past month to flesh out project plans with the Center’s U.S. Coast Guard partners for the low-cost sensor, RF surveillance, and remote operation of movable bridges projects. For the low-cost sensor project, a team of research engineers from Stevens Institute of Technology visited with CG personnel from Sector Corpus Christi during the first week of October to coordinate plans for the placement of sensor platforms in an appropriate location within the Sector’s area of responsibility.

Port of the Future Conference – Borders, Trade and Immigration (BTI) Institute. MSC director Hady Salloum will serve as a featured speaker at the Port of the Future Conference to be held March 10-11, 2020 in Houston, TX. The conference will focus on creating and revitalizing the Nation’s ports, infrastructure, and processes - across air, maritime, land, and cyber domains. The conference will include panel discussions, keynote talks and guided tours of the Port of Houston and Houston’s TranStar. The two-day event is being coordinated by the Borders, Trade and Immigration (BTI) Institute, a DHS S&T Center of Excellence led by the University of Houston. To register and learn more, visit https://www.portofthefuture-20.com/

USCG Sector New York approves AMSP Cyber Annex. CAPT Jason Tama, Commander Sector New York recently signed into effect the Cyber Coordination Plan and Information Sharing Protocol (Annex 10700) to the Sector’s Area Maritime Security Plan (AMSP). Among the first in the country, the “Cyber Annex” provides guidance on cyber mitigation and incident reporting for the Port of New York, New Jersey and Port of Albany. Developed in collaboration with the Area Maritime Security Committee (AMSC) Cyber Subcommittee, in which the Maritime Security Center (MSC) is a member, the primary purpose of the
annex is to encourage cyber threat information sharing across the port community and the recognition of port partners who demonstrate best practices in cyber security and response. The annex also calls for the formation of a Captain of the Port Cyber Advisory Committee and annual training initiatives.

**Fulbright Scholar conducts risk assessment research at Stevens Institute of Technology/MSC.** Iosif Progoulakis, Fulbright Scholar and PhD candidate from the Department of Shipping, Trade and Transport at the University of Aegean, in Chios, Greece, is conducting research at Stevens Institute of Technology during the fall 2019 semester, under the mentorship of MSC affiliate researcher, Dr. Barry Bunin, research professor, and Stevens Business School professor, Dr. Paul Rohmeyer. Concurrent to his doctoral studies and Fulbright scholarship, Mr. Progoulakis is a Design and Project Manager with the Naval Facilities Engineering Command (NAVFAC), Naval Support Activity Souda Bay, Crete, Greece. His research interests are in the area of risk assessment and security applications for offshore oil and gas installations.