USCG Sector NY Marine Inspectors to Participate in MSC Maritime Cybersecurity Pilot Course. The Maritime Security Center will host a two-day Maritime Cybersecurity pilot course on October 1 and 2, 2020 tailored to USCG Sector New York's marine inspectors. The course will be held virtually and is designed to provide fundamental cybersecurity knowledge to enable cyber risk awareness as part of routine vessel and facility security inspections. The course was developed over the past year in conjunction with CG Cyber Command and USCG Sector NY. The pilot course was originally scheduled to be held on-site at Sector New York on April 28 and 29, however the course was postponed and transitioned to a synchronous online format due to the COVID-19 pandemic. Marine inspector feedback will be used to enhance the course for future Coast Guard offerings.

RFI Nets 10 Submissions for Next Generation Sensor Technology for Coast Guard VTS. This past summer, MSC research partners from Rutgers University released a Request for Information (RFI) for next generation sensor technology for Coast Guard Vessel Traffic Services. Collectively, the research team received responses from ten companies primarily focused on radar and camera technologies. The team will be reviewing the submissions during September to assess how the technology will integrate into Coast Guard VTS operations. They will then model the sensor types based on the specifications supplied in the RFI and will make recommendations on the most promising technologies in a final report to the Coast Guard in late December.

“Even a global pandemic couldn’t take this exciting annual Maritime Security Center project off-course – SRI Featured Article.” DHS S&T TWIST and Stevens Institute of Technology have recently featured news items on the MSC’s annual Summer Research Institute held this past summer virtually due to COVID-19. Traditionally a hands-on, campus-based program, the Center pivoted at the start of the pandemic to transition the eight-week program to a highly-engaged virtual research experience for 22 summer research interns. Outcomes from the program have resulted in conversations with Stevens Office of Technology Commercialization about potential patent opportunities and transitions to end-users. A copy of the Stevens article can be found on the university news website at https://www.stevens.edu/news/stevens-summer-research-institute-navigates-covid-19-pivoting-virtual-experience.

Graduate Research Assistants to Work on Visualization Tools and Vessel Emissions Detection Systems for U.S. Coast Guard. MSC has awarded two new Graduate Research Assistantships to Ethan Jones, Computer and Software Engineering and Jonathan Adamson, Chemistry and Nanotechnology, from Stevens Institute of Technology. This is Jonathan’s second term as a research assistant with the Center. Jonathan’s research with the MSC originally focused on identifying safer and more efficient methods for detecting fentanyl at U.S. ports of entry (review his research poster at https://www.stevens.edu/research-entrepreneurship/research-centers-labs/maritime-security-center/education-training/education-programs) and this term he will expand his research to assist in...
further developing a Sulfur Emission Detection sensor platform developed by a team of students during the Center’s 2020 Summer Research Institute. During the Fall 2020 semester, Ethan Jones will begin to build out a Risk Management Dashboard developed by students in the 2019 and 2020 summer research programs. In addition to building out the visualization and predictive analytic capabilities of the Dashboard, Ethan will create data templates that can be used broadly for other coastal ports and inland waterway regions. To learn more about the Sulfur Emission Detection and Risk Management Dashboard projects, visit www.stevens.edu/SummerResearchInstitute.