Featured Webinar:
*Low-Cost Sensor Suite for Combatting Illegal Maritime Activity*

Presented by:
Dr. Hady Salloum, Director Maritime Security Center (MSC), DHS S&T Center of Excellence

**Overview:** The detection of small boats, semisubmersibles, and underwater vehicles is required for several U.S. Coast Guard (USCG) and Customs and Border Protection (CBP) missions, including drug and alien migrant interdiction, monitoring, control and surveillance of illegal, unregulated, and unreported (IUU) fishing, as well as protection from maritime terrorist activity. Current detection methods use sensors installed on land, cutters, aircraft, unmanned aircraft systems (UAS), and satellites to detect vessels involving illegal activity. This webinar will discuss the development and deployment of a low-cost covert autonomous sensor suite utilizing radar, AIS, electro-optical and infrared cameras, and underwater acoustic sensors that can be installed at remote locations. (e.g., oil rigs, and navigational and meteorological buoys.) This system can provide enhanced mission performance, at decreased operational costs.

**Background:** Dr. Hady Salloum is the Director of the Maritime Security Center, DHS S&T Center of Excellence, led by Stevens Institute of Technology, and the Director of Stevens Institute of Technology’s Sensor Technology and Applied Research (STAR) Center. He is a Professor of Electrical and Computer Engineering within the School of Engineering and Science and has over 35 years of experience in industry and academia, directing large-scale, complex research and development projects as well as field experiments.

He is an appointed member of the National Maritime Security Advisory Committee (NMSAC) and a senior member of both the IEEE and the National Academy of Inventors.

**DATE:**
Wednesday, March 23, 2022

**TIME:**
11:00 AM–12:00 PM (Eastern)

**LOCATION:**
Zoom

**ATTENDANCE:**
The webinar series is open to DHS S&T stakeholders and invited guests. Registration is required.

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