

# NAVAL SCIENCE AND TECHNOLOGY

## ENGR 3109: Navy STEM Professional Development Seminar

Wednesday, November 20, 2019

5:00 pm to 6:00 pm

UConn, ITE 336

### “A WORLD LEADER IN AUTONOMOUS MARITIME SURVEILLANCE”

**DESCRIPTION:** ThayerMahan provides innovative systems and expertise, connected by a global data platform, to help to protect our nation and its vital interests.

They design, manufacture and (when desired by their customers) operate systems to collect acoustic and electronic information on the world's oceans. These systems expand coverage for government and industry partners to protect borders, natural resources, and undersea infrastructure—and do so at extremely low cost compared to traditional monitoring assets.

### ALEX LORMAN, DIRECTOR, MARITIME ENGINEERING

THAYERMAHAN  
GROTON, CT

Alex has a significant background in the design, deployment and management of complex systems that includes many notable projects, including the installation, planning and commissioning of a \$17m PLC-based ballast control system onboard the wreck Costa Concordia; the design and supervision of execution of a survey and positioning system for installing the Furie Kitchen Lights Unit # 3 Gas platform in Alaska; management of the mobilization of MV SVENJA, a 525' heavy lift ship in Singapore; oversight of the installation of a 10-point mooring system with full hydraulics and a drive-by-wire control system; and the planning and oversight of flotilla safety systems. Alex is the author of several patents related to maritime autonomy and control systems.

Prior to joining ThayerMahan, Alex was Co-Founder and Chief Technology Officer of Sea Machines, a start-up maritime engineering firm that introduced advanced autonomous systems to the commercial maritime space.

## Upcoming Distinguished Seminars



Lauren Marshall

Ph.D. Graduate Student  
UConn

NUWC

DECEMBER 4<sup>TH</sup> @ 5PM

URI – Avedisian Hall 240



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ENGR-  
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### CONTACT:

Stephanie Wanne  
Navy STEM Program  
Administrator  
[stephanie.wanne@uconn.edu](mailto:stephanie.wanne@uconn.edu)

### PHONE:

860.486.2429



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