

NAVAL SCIENCE AND TECHNOLOGY

ENGR 3109: Navy STEM Professional Development Seminar

Wednesday, October 16, 2019

5:00 pm to 6:00 pm

UConn, ITE 336

“THE NAVY’S UNDERSEA DOMINANCE WITH NUCLEAR POWER”

DESCRIPTION: The United States Navy conducts a multitude of missions that help keep the U.S. safe, keep seaways clear for trade and deter nuclear war.

Specifically, our Nuclear Navy is essential to maintaining our endurance at sea to keep us forwardly deployed. Nuclear Trained Officers help to do this by operating our nuclear power plants on board submarines and air craft carriers. These officers can also help to teach future nuclear students before heading to the fleet as well as helping to design and implement the nuclear plant and systems connected to it.

LT CAITLIN TYE, SURFACE WARFARE OFFICER

NAVAL SUBMARINE BASE, NEW LONDON, CT

LT Tye graduated from Rensselaer Polytechnic Institute in May 2010. Her first assignment was to the USS NORMANDY (CG-60) as the Combat Electronic Division Officer. During her tour, the ship completed a deployment to 5th Fleet with the Truman Carrier Strike Group and deployed to the Baltic Sea in support of BaltOps 2012 and FRUKUS 2012. Next she was the Training Officer onboard the USS MAHAN (DDG 72) from December 2012 to June 2014. While onboard, MAHAN completed a nine-month deployment to the Mediterranean Sea in support of theater security cooperation and maritime security operations. Upon completion of her sea duty, LT Tye went to recruiting duty at NRD Denver and then continued to NRD New England.

LT TIMOTHY OMLOR, SUBMARINER

NAVAL SUBMARINE BASE, NEW LONDON, CT

LT Omlor enlisted as a Nuclear Machinist Mate in 2004 after graduating high school. During Power School, he was selected to attend the United States Naval Academy. LT Omlor graduated from the Naval Academy in May 2010. He then attended a year of graduate education at the Naval Post Graduate School in Monterey, CA under the Bowman Scholarship Program. Upon completing Nuclear Power School and Prototype, he reported to his first ship, the USS Hartford (SSN-768) as the Main Propulsion Assistant. During his tour, he supported the USS Alexandria (SSN-757) on deployment to the Mediterranean Sea and the USS Hartford to the Northern Atlantic Ocean, including under ice certification. **Following his Junior Officer tour** on the USS Hartford, LT Omlor separated from active duty in July of 2016 and transitioned to the SELRES. While serving in the reserves, LT Omlor worked as a civilian at General Dynamics Electric Boat as a combination of Engineer and Project Manager. His program supported NAVSEA PMS 394.

Upcoming Distinguished Seminars



Bill Matuszak

Vice President
IN-DEPTH
ENGINEERING
OCTOBER 23RD @ 5PM
URI – Avedisian Hall 240



Peter Legnos

President & Founder
LBI, INC.
OCTOBER 30TH @ 5PM
UConn – ITE 336



Bruce Abraham

CTO & Vice-President
APPLIED PHYSICAL
SCIENCES CORP (APS)
NOVEMBER 6TH @ 5PM
UConn – ITE 336



David Bamford NUWC

NOVEMBER 13TH @ 5PM
URI – Avedisian Hall 240

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