

NAVAL SCIENCE AND TECHNOLOGY

ENGR 3109: Navy STEM Professional Development Seminar

Tuesday, February 26, 2019

5:00 pm to 6:00 pm

UConn, BPB 130 ~ Live Streaming from URI

“OCEAN AREA DENIAL THROUGH THE USE OF UNDERSEA MINE WARFARE”

DESCRIPTION: This presentation will provide a brief history of undersea mine warfare. Various methods that are currently used to locate and destroy different types of enemy mines miles will be discussed. The latest research and future systems will also be discussed. Each of the various engineering disciplines (Mechanical, Electrical, Systems, Ocean, Engineers etc.) play key roles in the design, fabrication testing of the systems that are delivered to the U.S. Navy. The presentation will also describe where each of the engineering disciplines fit into the design, test, build, and delivery process.

JOHN CARCONE, PRINCIPAL ENGINEER

RAYTHEON POLAR SERVICES

John has 30 years of experience designing, testing and deploying various undersea systems for the U.S. Government. Some of the programs include the MK-30 Training Target, the Tango Bravo Submarine external torpedo storage and launch system, and was the lead Mechanical Engineer for the Airborne Low Frequency Sonar System (ALFS). John also worked on several passive acoustic surveillance sonar systems including the Sound Surveillance System (SOSAS), Fixed Distributed System (FDS) and the Surveillance Towed Array Sensor System (SURTASS) reduced diameter array (RDA). In 1995 John was a member of the design team that fabricated, tested and delivered components of the Multiplexed Sensor Array (MESA) that was deployed at the Atlantic Undersea Test and Evaluation Center (AUTEK) range.

John was the principal investigator responsible for four US patents related to the undersea arena including; 1. 5608159 Universal High Pressure Undersea Cable Freeze seal and freeze clamp for cables, wires, optical fibers and the like, 2. 20140060417 Unmanned Underwater Vehicle Launcher, 3. Surface floating Radar Reflector 7671783 (towable) 4. Surface floating Radar Reflector 8022857 (Stationary).

Upcoming Distinguished Seminars

 **David Markert**
Director of Business Development
PROGENY SYSTEMS
MARCH 5TH @ 5PM
URI – AVD HALL 170

 **Rich Allard**
Chief Engineer Maritime Helicopter Programs
SIKORSKY
MARCH 12TH @ 5PM
UConn – BPB 130

SPRING BREAK

March 18th – 22nd



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