NAVAL SCIENCE AND TECHNOLOGY
ENGR 3109: Navy STEM Professional Development Seminar
Tuesday, February 18, 2020
5:00 pm to 6:00 pm
URI, AVD Hall 240 ~ Live Streaming to UConn

“OVERVIEW OF THE OFFICE OF NAVAL RESEARCH (ONR) & ONR’S VISION”

DESCRIPTION:
Discussions will focus on three topics:

- Naval Undersea Research Program (NURP)
- Naval Enterprise Partnership Teaming with Universities for National Entrepreneurship (NEPTUNE)
- ONR’s vision on the acceleration of products to the Navy

MARIA G. MEDEIROS, PROGRAM OFFICER, WEAPONS & PAYLOADS DIVISION
OFFICE OF NAVAL RESEARCH, ARLINGTON, VA

Maria Medeiros is a Program Manager at the Office of Naval Research (ONR) in the Sea Platforms and Weapons Division (ONR-333). Sponsoring S&T research in advanced electrochemical power and energy sources and innovative hybrid systems for the propulsion of air independent operation of manned/unmanned undersea vehicles and undersea weapons. She manages ONR’s National Naval Responsibility program the Navy Undersea Research Program (NURP) for Undersea Weaponry. This is a program designed to increase the number of engineers and scientists at the Navy laboratories developing undersea weapon and vehicle technologies and to strengthen the connections between laboratories and academia. Ms. Medeiros is also managing the Naval Enterprise Partnership Teaming with Universities for National Excellence (NEPTUNE) Program, this program’s objective is to advance Department of Navy (DoN) personnel and sustainable energy objectives by supporting university research activities that directly incorporate participation and education of naval personnel across active duty military, NROTC and veterans.

Mrs. Medeiros began her DoD career in 1997 when she joined the Naval Undersea Warfare Center- Newport Division (NUWCDIVNPT). At NUWCDIVNPT she managed the Chemistry Laboratory and was Principal Investigator/Research Scientist for development of advanced electrochemical energy sources for propulsion of undersea weapons and vehicles. Additional duties included Weapon S&T Working Group Member, and the NAVSEA Fuel Cell Steering Group Member. The Mg-SFC work that Mrs. Medeiros worked while at NUWC is referenced in Chapter 17 "Magnesium Water Activated Batteries" in the Handbook of Batteries, by Linden and Reddy, 3rd edition.

Upcoming Distinguished Seminars

- **Patrick Moran**
  Support Engineer
  **IX BLUE**
  **February 25th @ 5PM**
  URI - Avedian Hall 240

- **Wayne Tucker**
  NAVAL UNDERSEA WARFARE CENTER
  **March 3rd @ 5PM**
  URI - Avedian Hall 240

- **John Evans**
  Director of special Projects & Innovation
  RDSI
  **March 10th @ 5PM**
  UCONN – ITE 336

*SPRING BREAK*
March 15th – 21st

- **Dave Medeiros**
  Senior Strategic Defense Analyst
  RITE SOLUTIONS
  **March 24th @ 5PM**
  URI - Avedian Hall 240

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