



College of Engineering  
Department of  
Mechanical & Industrial Engineering



The Robert W. Courter Seminar Series  
3:00-4:00pm, Friday, October 11<sup>th</sup>, 2024

**PFT 1206**

**Autonomous operations in the undersea  
by Dr. Eugene Chabot**

**Senior Researcher  
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**Adjunct Professor  
Electrical, Computer and Biomedical Engineering  
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**Adjunct Lecturer in Engineering  
Brown University**

Autonomous operations in the undersea are challenged by many factors including a complex, dynamic environment. This seminar will examine a few research topics being pursued with collaborators to make advances in this problem space, the construction of the Navy organization to facilitate research, and some opportunities for students and researchers. Some example projects include multi-agent coordination, single-agent observability-based planning, and mixed-precision learning.

**Eugene Chabot, PhD**, is a senior researcher at the Naval Undersea Warfare Center in Newport, RI. Since 2022, he has held the position of S&T Autonomy Lead. His research focuses on autonomous navigation, autonomous planning, and bio-inspired sensing and processing. Additionally, he is an adjunct faculty member at the University of Rhode Island and Brown University.