



Ocean & Resources Engineering

SEMINAR

The Importance of Reshaping AI to Serve Ocean Conservation Communities

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Friday, Feb. 27
10:00-11:00 AM
ZOOM ONLY
Meeting ID: 896 2570
6844
Passcode: ORE

Abstract

Artificial intelligence is advancing rapidly in ocean science, yet the local communities working daily to protect our marine ecosystems often operate under very different constraints, priorities and values. A significant gap remains between technological innovation and conservation practice. In this talk, I argue for the importance of reshaping AI to truly serve ocean conservation communities. Drawing from my experience deploying AI tools for ocean conservation, from deep-sea biodiversity monitoring to shark conservation, I will share lessons I drew from the field on what works, what fails, and what is required to move from cool tech to real impact. Rather than focusing solely on technology, this talk focuses on human-centered design, community-driven efforts and field deployment, to discuss how we can better align technological development with the real-world needs of communities protecting our oceans.

