

# 2022 Sears Public Lecture

Geophysical Fluid Dynamics Program

**Thursday, August 4, 2:00 pm**

**Redfield Auditorium, WHOI**

*Reception to follow on lawn*

*Professor Heidi Nepf  
MIT*



## **Coastal Vegetation and Coastal Flows: Restoration, Climate Mitigation & Adaptation**

Coastal vegetation, such as seagrass and salt marsh, provide ecosystem services, including coastal protection and carbon sequestration. Because of this, coastal vegetation is considered an integral part of climate mitigation and adaptation. After introducing the important role of vegetation in coastal systems, Prof. Nepf will present an overview of work done in her lab that describes the interaction of coastal vegetation with waves and currents, and the impact of this on sediment transport. New insights inform coastal restoration.

