OCEAN EXCHANGE 2026 - COLLEGIATE FINALISTS

01 | EnviraCell
Presenter: Bhavya Jain
University: North Carolina State University (NC, USA)
Develops lithium-free batteries using non-toxic materials to provide safer, sustainable energy storage for ocean sensors, marine monitoring, and autonomous devices.

02 | FathomWave
Presenter: Maddi McArthur
University: University of Alaska Fairbanks (AK, USA)
Uses satellite imagery and physics-informed machine learning to estimate water depths, supporting safer navigation, coastal planning, and emergency response.

03 | Kaiyu Oceans
Presenter: Hayden Foster
University: University of Florida (FL, USA)
Equips existing boats with affordable sensors to expand nearshore weather observations and improve marine forecasts.

04 | Keloks Technologies
Presenter: Kehinde Ojasanya
University: University of Vermont (VT, USA)
Develops Wastexus, a solar-powered mobile wastewater treatment system that converts wastewater into reusable irrigation water and nutrient-rich fertilizer.

05 | Lumarinescent
Presenter: Gianna Galezo
University: St. Thomas University (FL, USA)
Creates refillable bioluminescent fishing lures to replace disposable plastic glow sticks used by commercial fisheries.

06 | Noble Deep
Presenter: Andrew Jimenez
University: College of the Canyons (CA, USA)
Develops autonomous underwater vehicles for continuous offshore wind infrastructure inspections, reducing vessel costs, emissions, and maintenance delays.

07 | Ocean Detect
Presenter: Christine de Silva
University: University of Rhode Island (RI, USA)
Uses customizable AI video analysis and affordable underwater cameras to identify marine species and make ocean monitoring more accessible.

08 | SeaHand Systems
Presenter: Daniel Odoom
University: University of Prince Edward Island (CANADA)
Creates a passive, boat-mounted system that flips floating oyster cages using vessel motion, reducing manual labor without motors or hydraulics.

09 | The Captain Co.
Presenter: Marena Low
University: Florida Gulf Coast University (FL, USA)
Promotes sustainable coastal practices through whole-catch utilization, ocean education, marine-inspired products, and reduced seafood waste.

10 | Vivistra Inc.
Presenter: Navid Nasajpour
University: Georgia Institute of Technology (GA, USA)
Provides non-destructive technology to detect hidden structural stress in ships, offshore platforms, ports, and other critical marine infrastructure.