

ROBOSUB 2022

Autonomous Maritime Robotics Association at Embry-Riddle – Team Unsinkable COMMUNITY & OUTREACH SUBMISSION

STEM Day at Embry-Riddle

Team Unsinkable also participated in Embry-Riddle's STEM day. Middle schoolers from all Volusia and Flagler counties were invited to Embry-Riddle to participate in STEM related activities and learn more about STEM related fields. Team Unsinkable hosted a booth with a variety of activities such as an electronics circuit workstation, an interactive neural network training activity, a TensorFlow demo, and a 3D printing demo. STEM Day was a wonderful opportunity to interact with some amazing young students who were passionate about learning and pursuing engineering. We appreciated the opportunity to teach young students about what we do and how it can make the world a better place.

Marine Discovery Center

On April 21st 2021, the sub was brought to the Marine Discovery Center in New Smyrna Beach, to show elementary school age children and their parents functional submarines, including piloting demonstrations in a small pool, and explain how they work. Once the demonstration was over, the team answered questions from both children and their parents. The purpose of this demonstration was to show how autonomous underwater vehicles can be used to help marine life.

Future Plans: Seaperch

Team Unsinkable is currently working out the logistics of implementing Seaperch at the nearby High School, to allow a team or teams to have the opportunity to participate in a robotics competition by giving access to our teams lab and resources to interested students.