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5

AT A GLANCE





The MATE ROV Competition uses underwater robotics (also known as remotely operated vehicles or ROVs) to inspire and challenge students to learn and creatively apply scientific, engineering, and technical skills to solving real-world problems. Working in partnership with the Marine Technology Society's ROV Committee, the competition was created as a way to:

- Expose students to careers
- Provide access to materials and technical expertise that support student learning
- Strengthen students' critical thinking, collaboration, entrepreneurship, and innovation
- Develop the future ocean technical workforce

The MATE ROV Competition challenges K-12, community college, and university students from all over the world to tackle missions based on scenarios from the workplace. The competition's class structure of beginner, beginner-intermediate, intermediate-advanced, and advanced complements the educational pipeline by providing students with the opportunity to build upon their skills as they engineer increasingly more complex ROVs for increasingly more complex mission tasks.

The MATE ROV Competition requires students to think of themselves as entrepreneurs and transform their teams into companies that manufacture, market, and sell "products." In addition to engineering their ROVs, the students prepare technical reports, post displays, and presentations that are delivered to working professionals who serve as competition judges.

The MATE ROV Competition encourages students to work together, network, and learn from technical professionals and each other. MATE's philosophy is that collaborative learning experiences best simulate the real world and will serve student - and their future employers - well in the workplace.

OTHER MATE UNDERWATER ROBOTICS EDUCATIONAL PRODUCTS INCLUDE:

- Underwater Robotics: Science, Design and Fabrication [ISBN 978-0-9841737]
- Knowledge and Skill Guidelines for ROV professionals
- All levels of SeaMATE ROV starter kits and free open source plans
- · Curriculum and videos
- Workshops for teachers and students
- Internships for college students
- Microcontrollers for thrusters and sensors





NETWORK



The MATE Competition Network began in 2001 and currently consists of 48 regional events that take place across the U.S. and around the world. Regional competitions serve as feeders into the annual MATE World Championship.

The Regional Competition Network represents partnerships with organizations such as professional societies, research institutions, state and government agencies, community colleges and universities, public aquaria and science museums, and non-profits.



REGIONAL





HISTORY







CONTRIBUTE





FINANCIAL AND Technical support

Funds cover student travel stipends and meals, while contributions of materials, equipment, mentoring time, and technical expertise support ROV building, promote skills development, and expose students to careers.

YOUR CONTRIBUTIONS TO MATE HELP TO BUILD A FUTURE SKILLED STEM WORKFORCE AND ENSURE THAT ALL STUDENTS HAVE ACCESS TO THIS UNIQUE LEARNING OPPORTUNITY

EQUIPMENT SUPPORT AND RECOGNITION

Award trophies, plaques, certificates of participation, event t-shirts and patches, gift certificates, and donations of equipment such as cameras, thrusters, and other hardware are ways to highlight both the winning teams and the sponsoring organizations.

NETWORKING Opportunities

Funds cover the World Championship's opening and closing ceremonies, receptions, and social activities - events that provide opportunities to build peer and professional networks.

SPONSORS ALSO PROFIT BY:

- Increasing visibility through the MATE ROV Competition website and conference presentations.
- Displaying logos on the competition materials, including banners at the events.
- Posting and circulating job announcements.
- Using the competition's Exhibit Hall to increase exposure & recruit students for technical programs or job openings.
- Gaining access to a larger pool of talented students (an potential future employees!).
- The Marine Technology Society (MTS) is tax exempt under Internal Revenue Code 501(c)(3). Tax I.D.: 52-0805471.















THANK YOU 2023 SPONSORS



