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

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, 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, poster 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 students - and their future employers - well in the workplace.

Other MATE underwater robotics educational products include:

- Knowledge and Skill Guidelines for ROV professionals
- Curriculum and videos
- Workshops for teachers and students
- Internships for college students
- All levels of DIY Kits and free open source plans
- Microcontrollers for thrusters and sensors
The MATE ROV Competition network began in 2001 and currently consists of 40 regional events that take place across the US and around the world. Use this information to find the regional event nearest to you!
THANK YOU

SPONSORS

MtS marine technology society
ROV Foundation
Eastman Foundation
Ballad Health
TELEDYNE Marine
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SUPPORTERS

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CONTRIBUTE

Your contributions to MATE inspiration for Innovation MATE II to support the MATE ROV Competition help to build a future skilled STEM workforce and ensure that all students have access to this unique learning opportunity.

Sponsors provide:

❖ 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 skill development, and expose students to careers.

❖ 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 closing World Championship’s closing awards ceremony, an event that provides opportunities to build peer and professional networks.

Sponsors also profit by:

❖ Increasing visibility through the MATE ROV Competition web site and conference presentations.

❖ Displaying logos on the competition materials, including banners at the events.

❖ Posting and circulating job announcements.

❖ Using the competition’s inspiration for Innovation Exhibit Hall to increase exposure and recruit students for technical programs or job openings.

❖ Gaining access to a larger pool of talented students (and potential future employees!).

MATE II is tax exempt under Internal Revenue Service Code 501(c)(3). Tax I.D.: 81-4389131. Contact jzande@marinetech.org for more information.
STUDENTS
“MATE has transformed me from an introverted kid that had no idea what to do with his future, to an extroverted award-winning student in STEM, ready to tackle real world problems.”

“[MATE] lends opportunities for students to become their own bosses and develop a business mindset for future work that is conscious of our environment and technological needs of today.”

PARENTS
“The challenging and interesting content, combined with an enthusiastic [mentor] and impressive teammates has made this a top-notch experience for my daughter. She has grown in many areas outside of her typical studies.”

“This was an amazing experience for my son, both academically as well as socially. He grew as a person and learned how to better resolve issues with communication and collaboration.”

MENTORS/TEACHERS
“While [my students] might not realize it in the moment, the program offers them a real world experience where they are able to develop both technical and essential skills. We already can’t wait to start our new build for the 2019/2020 season.”

“This program continues to have more impact every year - more students, more engagement, more visibility in the engineering community and the world. It is (rightly) focused on learning and developing skills, which puts it above many competitive events.”

WORKING PROFESSIONALS
“I believe the MATE competition is key to push teams to raise the bar. Competition from foreign countries can be intimidating but essential to expose local students to the real world of business that will be facing.”

“As a former competitor, this competition directly impacted my position. Having the real world experience beyond the classroom was extremely valuable (even outside the marine technology industry).”

materovcompetition.org

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