2018 MATE International ROV Competition

WHO:
Marine Advanced Technology Education (MATE) was established with funding from the National Science Foundation in 1997. It involves upper elementary schools, middle schools, high schools, home schools, community colleges, universities, and community organizations (Boys and Girls Club and 4-H). Over 31 regional contests are held in the United States, Canada, Hong Kong, Scotland, Egypt, Russia, Turkey, and Bermuda.
This event is expected to bring 1,200-1,400 contestants, judges and officials.

Website: MATE

WHAT:
MATE's Mission is to use marine technology to inspire and challenge students to learn and creatively apply science, technology, engineering, and math (STEM) to solving real-world problems in a way that strengthens critical thinking, collaboration, entrepreneurship, and innovation.

MATE's Philosophy for Competition
The MATE ROV competition is about student learning. It is designed to be an event that challenges students to apply the physics, math, electronics, and engineering skills they are learning in the classroom to solving problems from the workplace.

Mentors (teachers, parents, working professionals) are expected to limit their input to educational and inspirational roles and encourage focus on the benefits of the **learning process** and not simply on "winning" the competition.

Jet City: Aircraft, Earthquakes, and Energy
The competition highlights the role that remotely operated vehicles (ROV's) play in supporting underwater archaeology, seismology, and renewable energy activities specifically in the Pacific Northwest.

WHEN:
Thursday, June 21st – Saturday, June 23rd, 2018.

WHERE:
- Weyerhaeuser King County Aquatic Center in Federal Way, WA.
- Hotel Murano in Tacoma for awards ceremony.

WHY:
In light of growing concern for the humankind's impact on our world, people in the Pacific Northwest are leading efforts to research and quantify these effects. Brilliant young minds that grew into being on the cutting-edge of the manufacturing and high-tech industries are now coming together to develop renewable energy options and reduce the dependence on petroleum. Areas of previous industrial activity or environmental disasters are being restored. Invasive species are being removed, while both plant and animal native species are being reintroduced. Organized volunteers educate the public on how to responsibly enjoy all the natural beauty of the Pacific Northwest – and to fight to keep it for all to enjoy for generations to come.

University of Washington Need
The Applied Physics Laboratory at the University of Washington has issued a request for proposals (RFP) for a remotely operated vehicle (ROV) and crew that can operate in the salt and fresh water areas in the Pacific Northwest. The specific tasks for the ROV and operators include:

- Locating the wreckage of a vintage airplane and returning its engine to the surface. (Aircraft)
- Installing or recovering a seismometer. (Earthquakes)
- Installing a tidal turbine and instrumentation to monitor the environment. (Energy)

HOW:
- Be a Spectator
- Be aware and prepare for increased hotel/motel guests and restaurant traffic
- Potential for program advertising for your business
- If advertising in The Mirror, remember to include "Welcome MATE Competitors"

For any questions, please contact:
Tim Johnson
Economic Development Director
(253) 835-2412