



2019 MATE International ROV Competition Award Prizes & Sponsors			
CATEGORY	DESCRIPTION	PRIZE	
		EXPLORER	RANGER
<ul style="list-style-type: none"> <li>• Overall winners               <ul style="list-style-type: none"> <li>○ 1<sup>st</sup></li> </ul> </li> </ul>	Based on overall, total score	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• One-year memberships in the Marine Technology Society (MTS)</li> <li>• \$500 VISA card sponsored by Teledyne Marine</li> <li>• Blue Robotics – \$1,000 gift certificate</li> <li>• Arduino Nano 3-pack courtesy of Monterey Bay Aquarium Research Institute (MBARI)</li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• One-year memberships in the Marine Technology Society (MTS)</li> <li>• \$500 VISA card sponsored by Teledyne Marine</li> <li>• Blue Robotics – \$1,000 gift certificate</li> <li>• CanaKit Pi Zero w/ Starter Kits courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>○ 2<sup>nd</sup></li> </ul>		<ul style="list-style-type: none"> <li>• Trophy</li> <li>• Blue Robotics – \$500 gift certificate</li> <li>• \$250 VISA card sponsored by Teledyne Marine</li> <li>• Arduino Nano 3-pack courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• Blue Robotics – \$500 gift certificate</li> <li>• \$250 VISA card sponsored by Teledyne Marine</li> <li>• CanaKit Pi Zero w/ Starter Kits courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>○ 3<sup>rd</sup></li> </ul>		<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$150 VISA card sponsored by Teledyne Marine</li> <li>• Arduino Nano 3-pack courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$150 VISA card sponsored by Teledyne Marine</li> <li>• CanaKit Pi Zero w/ Starter Kits courtesy of MBARI</li> </ul>



		<ul style="list-style-type: none"> <li>• <i>Underwater Robotics: Science, Design &amp; Fabrication</i> textbook</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Underwater Robotics: Science, Design &amp; Fabrication</i> textbook</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Technical documentation</b></li> </ul>	<p>Based on report evaluation score; see the competition challenges and design specs document for the elements on which teams will be judged</p>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$100 VISA card sponsored by Teledyne Marine</li> <li>• 1 year subscription to SERVO Magazine</li> <li>• <i>Arduino and Raspberry Pi Sensor Projects for the Evil Genius:</i> Courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$100 VISA card sponsored by Teledyne Marine</li> <li>• 1 year subscription to Nuts &amp; Volts Magazine</li> <li>• <i>Arduino and Raspberry Pi Sensor Projects for the Evil Genius:</i> Courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Marketing display</b></li> </ul>	<p>Based on poster evaluation score; see the competition challenges and design specs document for the elements on which teams will be judged</p> <p><i>[The winning posters will be published in the Journal of Ocean Technology, which is published by the Marine Institute of Memorial University.]</i></p>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$100 VISA card sponsored by Teledyne Marine</li> <li>• <i>Programming Arduino: Getting Started with Sketches</i> courtesy of MBARI</li> <li>• 1 year subscription to SERVO Magazine</li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$100 VISA card sponsored by Teledyne Marine</li> <li>• <i>Programming Arduino: Getting Started with Sketches</i> courtesy of MBARI</li> <li>• 1 year subscription to Nuts &amp; Volts Magazine</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Engineering presentation***</b></li> </ul>	<p>Based on engineering interview evaluation score; see the competition challenges and design specs document for the types of elements on which teams will be judged</p>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$100 VISA card sponsored by Teledyne Marine</li> <li>• 1 year subscription to SERVO Magazine</li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$100 VISA card sponsored by Teledyne Marine</li> <li>• 1 year subscription to Nuts &amp; Volts Magazine</li> </ul>



<ul style="list-style-type: none"> <li>• <b>Product demonstration</b></li> </ul>	<p>Based on the mission performance; see the competition challenges for the mission tasks and scoring</p>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$50 Amazon gift card sponsored by MTS-Florida</li> <li>• <i>HiLetgo ATmega 328P Development Board Courtesy of MBARI</i></li> </ul>	<ul style="list-style-type: none"> <li>• Trophy</li> <li>• \$50 Amazon gift card sponsored by MTS-Florida</li> <li>• <i>HiLetgo ATmega 328P Development Board Courtesy of MBARI</i></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Harry Bohm/Jill Zande “Sharkpedo” award</b></li> </ul>	<p>Innovation and originality; thinking outside of the box</p>	<ul style="list-style-type: none"> <li>• Sharkpedo trophy and certificate</li> <li>• \$50 Amazon gift card sponsored by MTS- Monterey Bay</li> <li>• Raspberry Pi 3 Model B+ Ultimate Kit - 16 GB Edition Courtesy of Harry Bohm</li> <li>• <i>Raspberry Pi 3</i> Courtesy of MBARI</li> <li>• Samsung Gear 360 High Resolution VR Camera courtesy of Schmidt Ocean Institute</li> </ul>	<ul style="list-style-type: none"> <li>• Sharkpedo trophy and certificate</li> <li>• \$50 Amazon gift card sponsored by MTS- Monterey Bay</li> <li>• Raspberry Pi 3 Model B+ Ultimate Kit - 16 GB Edition Courtesy of Harry Bohm</li> <li>• <i>Raspberry Pi 3</i> Courtesy of MBARI</li> <li>• Samsung Gear 360 High Resolution VR Camera courtesy of Schmidt Ocean Institute</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Safety Conscious</b></li> </ul>	<p>For the team that exhibited exemplary safety practices</p>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• \$100 Amazon gift card courtesy of Steven and Lisa Bradshaw</li> <li>• <i>Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines</i> – courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• \$100 Amazon gift card courtesy of Steven and Lisa Bradshaw</li> <li>• <i>Motors for Makers: A Guide to Steppers, Servos, and Other Electrical Machines</i> – courtesy of MBARI</li> </ul>



<ul style="list-style-type: none"> <li>• <b>Design Elegance</b></li> </ul>	<p>For the vehicle that incorporates aesthetics, simplicity, and functionality into its design</p>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• \$100 Amazon gift card sponsored by MTS-Gulf Coast</li> <li>• <i>Elegoo for Arduino Nano</i> – courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• \$100 Amazon gift card sponsored by MTS-Gulf Coast</li> <li>• <i>Elegoo for Arduino Nano</i> – courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Aloha Team Spirit</b></li> </ul>	<p>Enthusiasm, encouragement, best team t-shirts</p>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• \$100 Amazon gift card sponsored by MTS-Hawaii</li> <li>• <i>Arduino for Beginners</i> Courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• \$100 Amazon gift card sponsored by MTS-Hawaii</li> <li>• <i>Arduino for Beginners</i> Courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Guts &amp; Glory</b></li> </ul>	<p>Overcame hardships with determination and resolve</p>	<ul style="list-style-type: none"> <li>• Blue Robotics – \$500 gift certificate</li> <li>• \$125 Amazon gift card courtesy of MTS-DC</li> <li>• <i>MAKE: Sensors: A Hands On Primer For Monitoring The Real World</i> - courtesy of MBARI</li> </ul>	<ul style="list-style-type: none"> <li>• Blue Robotics – \$500 gift certificate</li> <li>• \$125 Amazon gift card courtesy of MTS-DC</li> <li>• <i>MAKE: Sensors: A Hands On Primer For Monitoring The Real World</i> - courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Microsoft Azure Machine Learning ROV Challenge</b></li> </ul>	<p>See <a href="https://www.marinetech.org/explorer_2019/">https://www.marinetech.org/explorer_2019/</a></p>	<p>1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place and prizes</p> <p>1<sup>st</sup> place – 3D printer and filament, Go Pro Hero 7, and Surface Go</p> <p>2<sup>nd</sup> place – 3D printer and filament and Go Pro Hero 7</p> <p>3<sup>rd</sup> place – Go Pro Hero 7</p>	



<ul style="list-style-type: none"> <li>• <b>gROVer Award</b></li> </ul>	<p>In honor of Crocket Wise, founder of the Team Orlando Robotic Club (TORC) and technical assistant at both the Florida Regional and the International ROV competitions. Awarded to a team or individual who demonstrates courtesy, kindness, and professionalism and assists other teams, providing technical as well as moral support.</p>	<ul style="list-style-type: none"> <li>• \$125 VISA card sponsored by Crockett’s Memorial Challenge Fund</li> <li>• <i>Arduino and Raspberry Pi Sensor Projects for the Evil Genius:</i> Courtesy of MBARI</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Martin Bowen Memorial Inspiration for Future Engineers Award</b></li> </ul>	<p>In honor of Martin Bowen, underwater vehicle engineer and ROV pilot. Martin spent a good part of his career at the Woods Hole Oceanographic Institution (WHOI). He made six dives in the Alvin submersible during the second Titanic expedition and was the first to pilot an ROV down the grand staircase of the famous shipwreck. Given to a team or individual who demonstrates passion, creativeness, and ingenuity along with professionalism and kindness towards fellow competitors.</p>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• <i>Mentoring and salty sea stories shared by Justin Manley, Ocean Engineer and Founder and CEO of Just Innovation – Justin will help pilot your career in the right direction and share tales of ocean pioneers who, like Martin Bowen, pushed the envelope of technology to explore and discover the deep.</i></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Flying Fish award</b></li> </ul>	<p>Presented to a team that demonstrates ingenuity and creativity in the design and operation of its ROV.</p>	<ul style="list-style-type: none"> <li>• Certificate</li> <li>• <i>Mentoring by Eben Franks, Ocean Technologist and STEM Crusader – Eben will take you under the wing of the flying fish and offer his assistance with networking, connecting with employers, and experiencing ocean technology facilities, such as Woods Hole Oceanographic Institution, and more!</i></li> </ul>



<ul style="list-style-type: none"> <li>• <b>Martin Klein MATE MARINER MEDAL</b></li> </ul>	<p>The award is given to an individual or team that shows an outstanding passion, not just for winning, but for the whole competition process. This includes a genuine interest in the mission and a penchant for a lifetime interest in this field.</p>	<ul style="list-style-type: none"> <li>• Medals and \$1,000 scholarship check</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Oceaneering Health, Safety, and Environmental (HSE) Award</b></li> </ul>		<ul style="list-style-type: none"> <li>• Trophy courtesy of Oceaneering</li> </ul>

**\*\*\*Engineering Presentation MVPs – RGB Keyboard and RGB Gaming Mouse Courtesy of Jim McDonnell\*\*\***