



<b>2019 MATE International ROV Competition – World Championship Awards</b>			
<b><u>CATEGORY</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>WINNER</u></b>	
		<b><u>EXPLORER</u></b>	<b><u>RANGER</u></b>
<ul style="list-style-type: none"> <li>• Overall winners</li> </ul>	Based on overall, total score		
<ul style="list-style-type: none"> <li>○ 1<sup>st</sup></li> </ul>		<p><b>Hong Kong University of Science and Technology (HKUST)</b>  <b>EpoXsea</b></p> <p><b>Hong Kong</b></p>	<p><b>Aptos High School Seam Team Scalyr</b></p> <p><b>Aptos, California, USA</b></p>
<ul style="list-style-type: none"> <li>○ 2<sup>nd</sup></li> </ul>		<p><b>Arab Academy of Science Technology and Maritime Transport (AASTMT)</b>  <b>Invictus</b></p> <p><b>Alexandria, Egypt</b></p>	<p><b>The Center for Robotics Development RoboCenter</b></p> <p><b>Vladivostok, Russia</b></p>
<ul style="list-style-type: none"> <li>○ 3<sup>rd</sup></li> </ul>		<p><b>Jesuit High School Jesuit Robotics</b></p> <p><b>Carmichael, CA, USA</b></p>	<p><b>California Academy of Math &amp; Science (CAMS)</b>  <b>45C Robotics</b></p> <p><b>Carson, CA, USA</b></p>



CATEGORY	DESCRIPTION	WINNER	
		EXPLORER	RANGER
<ul style="list-style-type: none"> <li>• Technical documentation</li> </ul>	Based on report evaluation score; see the competition challenges and design specs document for the elements on which teams will be judged	<b>Jesuit High School Jesuit Robotics</b>  <b>Carmichael, CA, USA</b>	<b>Mount Pearl High School Husky Explorer</b>  <b>Mount Pearl, NL, Canada</b>
<ul style="list-style-type: none"> <li>• Marketing display</li> </ul>	Based on poster evaluation score; see the competition challenges and design specs document for the elements on which teams will be judged	<b>Memorial University Eastern Edge Robotics</b>  <b>St. John's, NL, Canada</b>	<b>Aptos High School Seam Team Scalyr</b>  <b>Aptos, California, USA</b>
<ul style="list-style-type: none"> <li>• Engineering presentation***</li> </ul>	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	<b>Hong Kong University of Science and Technology (HKUST) Epoxxsea</b>  <b>Hong Kong</b>	<b>North Paulding High School North Paulding Robotics</b>  <b>Dallas, GA, USA</b>
<ul style="list-style-type: none"> <li>• Product demonstration</li> </ul>	Based on the mission performance; see the competition challenges for the mission tasks and scoring	<b>Arab Academy of Science Technology and Maritime Transport (AASTMT) Invictus</b>  <b>Alexandria, Egypt</b>	<b>Aptos High School Seam Team Scalyr</b>  <b>Aptos, California, USA</b>



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		<u>EXPLORER</u>	<u>RANGER</u>
<ul style="list-style-type: none"> <li>• Harry Bohm/Jill Zande “Sharkpedo” award</li> </ul>	Innovation and originality; thinking outside of the box	<p>Macau Anglican School Fish Logic</p> <p>Taipa, Macau</p>	<p>Mountain Oaks School Extreme Ocean Observing System Repair Company (EOOSRC)</p> <p>San Andreas, CA, USA</p>
<ul style="list-style-type: none"> <li>• Safety Conscious</li> </ul>	For the team that exhibited exemplary safety practices	<p>Tecnologico de Monterrey TecXotic</p> <p>Xochitepec, Morelos, Mexico</p>	<p>American School of Bombay Manta Rays</p> <p>Bombay, India</p>
<ul style="list-style-type: none"> <li>• Design Elegance</li> </ul>	For the vehicle that incorporates aesthetics, simplicity, and functionality into its design	<p>Case Western University CWURobotix</p> <p>Cleveland, OH, USA</p>	<p>Alpena High School UR2</p> <p>Alpena, MI, USA</p>
<ul style="list-style-type: none"> <li>• Aloha Team Spirit</li> </ul>	Enthusiasm, encouragement, positive attitude	<p>University of Rhode Island URI Robotics</p> <p>Kingston, RI, USA</p>	<p>North Broward Preparatory School H2O Bots</p> <p>Coconut Creek, FL, USA</p>



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		<u>EXPLORER</u>	<u>RANGER</u>
<ul style="list-style-type: none"> <li>Guts &amp; Glory</li> </ul>	<p>Overcame hardships with determination and resolve</p>	<p>Newcastle University NUROVers  Newcastle Upon Tyne, Tyne and Wear, UK</p>	<p>Glacier High School Altum Operations  Oakhurst, CA, USA</p>
<ul style="list-style-type: none"> <li>gROVer Award</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 an individual who demonstrates courtesy, kindness, and professionalism and assists other teams, providing technical as well as moral support.</p>	<p>Marissa Maynard SEAL Robotics  Greensboro, NC, USA</p>	
<ul style="list-style-type: none"> <li>Martin Bowen Memorial Inspiration for Future Engineers Award</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 was the first to pilot an ROV down the grand staircase of the <i>Titanic</i>. Given to an individual who demonstrates creativeness, ingenuity, and skill at piloting or navigating the ROV.</p>	<p>California Academy of Math &amp; Science (CAMS) 45C Robotics  Carson, CA, USA</p>	



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<ul style="list-style-type: none"> <li>Flying Fish Award</li> </ul>	<p>Established by underwater technology pioneer Chris Nicholson, this award recognizes one individual's innovation and ingenuity.</p>	<p><b>Rowan Hisham</b>  <b>Alexandria University</b>  <b>Made in Alexandria (MIA)</b></p> <p><b>Alexandria, Egypt</b></p>
<ul style="list-style-type: none"> <li>Marty Klein MATE MARINER Award</li> </ul>	<p>Established by side scan sonar inventor Marty Klein, this award recognizes a team or individual's appreciation for the practical applications of their knowledge and skills as well as their passion for the field of marine science and technology.</p> <p><i>"Always ask how we can do this better"</i></p>	<p><b>Granby High School</b>  <b>Granby Girls in Engineering</b></p> <p><b>Norfolk, VA, USA</b></p>
<ul style="list-style-type: none"> <li>Oceaneering Health, Safety, and Environmental (HSE) Award</li> </ul>	<p>Sponsored by Oceaneering International, this award recognizes exemplary safety practices.</p>	<p><b>The Center for Robotics Development</b>  <b>RoboCenter</b></p> <p><b>Vladivostok, Russia</b></p>
<ul style="list-style-type: none"> <li>Inaugural Microsoft Azure ROV Machine Learning Challenge</li> </ul>	<p>Sponsored by Microsoft; see the specifications located at <a href="http://www.marinetech.org/explorer_2019/">www.marinetech.org/explorer_2019/</a></p>	<p><b>1<sup>st</sup> place – Alexandria University, MIA, Alexandria, Egypt</b></p> <p><b>2<sup>nd</sup> place – Jesuit High School Robotics, Carmichael, CA, USA</b></p> <p><b>3<sup>rd</sup> place – Memorial University, Eastern Edge Robotics, St. John's, NL, Canada</b></p>



**\*\*\*Engineering Presentation “MVP” awards\*\*\***

**EXPLORER**

Room 1 – Miguel Bravo, CETYS University Mexicali Campus, Seafox Inventive, Mexicali, Baja California, Mexico

Room 2 – Marwan Taher, University of Sheffield, Avalon, Sheffield, South Yorkshire, UK

Room 3 – Michaela Barnes, Memorial University, Eastern Edge Robotics, St. John’s, NL, Canada

**RANGER**

Room 1 – Daniel Westphal, Staples High School, Curiodyssea, Westport, CT, USA

Room 2 – Savannah Thomson, Alpena High School, Alpena, MI, USA

Room 3 – Ella Ashford, PT STEM Club, Sea Dragons, Port Townsend, WA, USA

Room 4 – Michael Chislett, O’Donel High School, OD-4D, Mount Pearl, NL, Canada

Room 5 – Madison McEwen, North Broward Preparatory School, Coconut Creek, FL, USA