

2018 MATE Regional ROV Competition

June 21-23, 2018 - Weyerhaeuser King County Aquatic Center, Federal Way, WA

Jet City: Aircraft, Earthquakes and Energy

RANGER CLASS - Final

TEAM	School: Team Name (if applicable)	Product Demo	Engineering Presentation ***	Technical Documentation ***	Marketing Display ****	Secret Mission	Company Spec	Corporate Responsibility	Safety	TOTAL	RANKING
RNG 24	Fish Logic	270.0	94.7	95.0	45.5	20.0	20.0	4.0	58.0	607.2	1
RNG 33	Northern Ozaukee High Robotics	270.0	74.0	82.5	46.5	20.0	20.0	5.0	43.0	561.0	2
RNG 06	Robocenter	250.0	64.0	79.0	48.5	20.0	20.0	6.0	60.0	547.5	3
RNG 19	Sea Dragons	240.0	81.3	76.0	40.5	20.0	20.0	7.0	53.0	537.8	4
RNG 37	Underwater Research Robot Company	230.0	72.7	83.5	38.0	20.0	20.0	10.0	58.0	532.2	5
RNG 17	Watsonville Firefighters Seal Team	220.0	76.7	87.5	50.0	20.0	20.0	7.0	50.0	531.2	6
RNG 10	North Paulding Robotics	215.0	64.0	93.0	49.0	20.0	20.0	6.0	53.0	520.0	7
RNG 07	Curiodyssea	205.0	70.0	90.5	53.5	20.0	20.0	4.0	50.0	513.0	8
RNG 35	Crusader Robotics	235.0	52.7	75.0	41.0	20.0	20.0	5.0	48.0	496.7	9
RNG 34	45C Robotics	174.0	71.0	86.5	46.0	20.0	20.0	4.0	57.0	478.5	10
RNG 04	OD4D	195.0	64.7	71.5	48.5	20.0	20.0	5.0	40.0	464.7	11
RNG 09	CMAss Robotics Team	155.0	77.7	93.0	44.5	20.0	20.0	6.0	47.0	463.2	12
RNG 16	First Descent Solutions	170.0	61.7	81.5	43.5	20.0	19.0	5.0	60.0	460.7	13
RNG 03	D.A.R.T.	170.0	53.7	93.5	39.0	20.0	20.0	4.0	58.0	458.2	14
RNG 25	Loggerhead ROV	170.0	51.0	80.5	46.0	20.0	19.0	9.0	57.0	452.5	15
RNG 31	Phoenix Robotics	215.0	61.7	60.0	35.0	20.0	20.0	4.0	36.0	451.7	16
RNG 32	Infinite Monkey Gang	150.0	86.7	77.0	46.0	20.0	20.0	1.0	50.0	450.7	17
RNG 08	The C.O.R.P.S.	165.0	76.7	75.5	46.5	20.0	20.0	3.0	41.0	447.7	18
RNG 14	SEAL Robotics	165.0	63.3	71.5	35.0	20.0	20.0	5.0	58.0	437.8	19
RNG 13	Valor Maritime International	140.0	65.3	84.5	44.0	20.0	20.0	6.0	38.0	417.8	20
RNG 26	Arc	160.0	59.7	71.5	27.0	20.0	18.0	0.0	48.0	404.2	21
RNG 28	Aquabot Technicians	140.0	56.3	75.0	26.5	20.0	17.0	5.0	56.0	395.8	22
RNG 18	Nova Underwater Technologies	114.0	64.3	70.0	39.5	20.0	20.0	3.0	59.0	389.8	23
RNG 20	Smithsonian STEM ROV	165.0	38.0	55.0	39.5	5.0	20.0	6.0	58.0	386.5	24
RNG 11	SeaWolf, Incorporated	119.0	60.7	65.5	44.5	20.0	20.0	0.0	48.0	377.7	25
RNG 21	InnovOcean	170.0	65.7	44.0	27.5	20.0	18.0	0.0	32.0	377.2	26
RNG 05	ENKI Robotics	140.0	65.7	61.0	41.0	20.0	14.0	4.0	31.0	376.7	27
RNG 01	Robo-Tech (The Kraken)	90.0	57.0	83.0	43.0	20.0	20.0	6.0	54.0	373.0	28
RNG 15	SUROVOTIC	115.0	45.3	77.5	34.5	20.0	19.0	0.0	57.0	368.3	29
RNG 12	Grove Academy	125.0	56.7	53.0	42.0	20.0	17.0	1.0	39.0	353.7	30
RNG 22	Heritage Collegiate	105.0	60.3	79.0	38.0	5.0	12.0	6.0	47.0	352.3	31
RNG 30	Rogue Robotics Club	95.0	57.7	91.0	42.0	0.0	20.0	7.0	32.0	344.7	32
RNG 23	G-Karere	75.0	58.7	74.0	35.0	20.0	19.0	1.0	39.0	321.7	33
RNG 02	R-Mateys	84.0	54.3	40.5	46.0	0.0	16.0	4.0	51.0	295.8	34
RNG 27	Aqua Cards	79.0	39.3	52.0	30.0	20.0	8.0	0.0	28.0	256.3	35
RNG 29	DBH2O	68.0	25.3	63.5	35.0	5.0	14.0	0.0	37.0	247.8	36
RNG 36	Beijing National Day School	56.0	44.7	36.5	17.0	5.0	17.0	0.0	27.0	203.2	37

***average of three scores

****average of multiple scores

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EXPLORER CLASS - Interim Scores

TEAM	School: Team Name (if applicable)	Product Demo	Engineering Presentation ***	Technical Documentation ***	Marketing Display ****	Secret Mission	Company Spec	Corporate Responsibility	Safety	TOTAL	RANKING
EX 02	Vortex Titans	240.0	63.7	82.0	40.5	20.0	20.0	8.0	54.0	528.2	1
EX 14	RC ROV, LLC	220.0	74.7	71.0	45.0	20.0	20.0	5.0	60.0	515.7	2
EX 08	MIA (Made in Alexandria)	230.0	64.0	76.0	42.0	20.0	18.0	7.0	42.0	499.0	3
EX 15	EPOXSEA	190.0	69.3	77.5	48.5	20.0	20.0	6.0	48.0	479.3	4
EX 05	Upstream	180.0	69.3	72.0	42.0	20.0	20.0	5.0	54.0	462.3	5
EX 13	Jesuit Robotics	130.0	78.3	89.0	53.0	20.0	19.0	4.0	46.0	439.3	6
EX 27	Abydos ROV co.	135.0	63.7	81.0	46.0	20.0	27.0	4.0	38.0	414.7	7
EX 01	Eastern Edge Robotics	99.0	70.3	70.5	48.0	20.0	20.0	9.0	58.0	394.8	8
EX 06	Daedalus	103.0	71.7	71.5	53.0	20.0	19.0	7.0	48.0	393.2	9
EX 20	UIS Subsea	105.0	67.7	79.0	44.0	20.0	19.0	0.0	57.0	391.7	10
EX 19	ITU ROV Team	94.0	71.0	74.5	38.5	20.0	20.0	8.0	56.0	382.0	11
EX 23	Deep Blue Engineering	140.0	71.7	75.5	14.0	20.0	18.0	0.0	40.0	379.2	12
EX 07	Maritime State University Robotics	125.0	48.3	70.0	37.5	20.0	20.0	5.0	52.0	377.8	13
EX 12	Avalon	75.0	63.7	78.5	48.0	20.0	20.0	7.0	56.0	368.2	14
EX 25	Riverstone	120.0	50.3	71.5	44.0	5.0	20.0	4.0	46.0	360.8	15
EX 18	Seawolves	83.0	71.0	76.0	42.0	20.0	20.0	5.0	42.0	359.0	16
EX 26	64° West Robotics	65.0	70.3	75.0	48.5	20.0	19.0	5.0	50.0	352.8	17
EX 24	Purdue IEEE	68.0	67.3	80.5	49.0	5.0	20.0	5.0	54.0	348.8	18
EX 03	Vortex NTNU	90.0	55.7	71.5	43.0	5.0	19.0	0.0	58.0	342.2	19
EX 17	Rose-Hulman Robotics Team	58.0	65.0	65.0	42.5	5.0	17.0	0.0	47.0	299.5	20
EX 04	TecXotic	56.0	57.7	64.5	39.5	5.0	20.0	0.0	46.0	288.7	21
EX 10	Kea Goes Deep	76.0	45.7	47.5	40.0	5.0	20.0	2.0	52.0	288.2	22
EX 16	ASU/NASA Space Grant Robotics	50.0	36.7	73.5	37.0	20.0	20.0	4.0	43.0	284.2	23
EX 11	URI Hydrobotics	37.0	73.3	60.0	24.0	5.0	19.0	0.0	42.0	260.3	24
EX 22	POLITOCEAN	52.0	46.7	55.5	17.0	20.0	18.0	6.0	41.0	256.2	25
EX 09	Team Screwdrivers	35.0	65.7	68.0	0.0	5.0	19.0	7.0	56.0	255.7	26
EX 21	Nugget Industries	45.0	49.7	47.0	29.0	0.0	19.0	0.0	37.0	226.7	27
EX 28	Optimum SAMOY	0.0	0.0	86.5	0.0	0.0	19.0	0.0	13.0	118.5	28

***average of three scores

****average of multiple scores

2018 MATE International ROV Competition Awards

<u>CATEGORY</u>	<u>DESCRIPTION</u>	<u>WINNERS</u>	
		EXPLORER	RANGER
<ul style="list-style-type: none"> • Overall winners 	Based on overall, total score		
<ul style="list-style-type: none"> ○ 1st 		<p>Alexandria University Vortex Titans</p> <p>Alexandria Egypt</p>	<p>Macau Anglican College Fish Logic</p> <p>Taipa Macau</p>
<ul style="list-style-type: none"> ○ 2nd 		<p>The Center for Robotics Development RC ROV, LLC</p> <p>Vladivostok Russia</p>	<p>Northern Ozaukee High School Ozaukee Robotics</p> <p>Fredonia, WI USA</p>
<ul style="list-style-type: none"> ○ 3rd 		<p>Alexandria University MIA (Made in Alexandria)</p> <p>Alexandria Egypt</p>	<p>The Center for Robotics Development Robocenter</p> <p>Vladivostok Russia</p>

<ul style="list-style-type: none"> • Technical documentation 	<p>Based on evaluation score; see the competition manuals for the elements on which teams will be judged. <i>[The winning technical documentation are invited to submit a paper to the IEEE Computer Society flagship publication.]</i></p>	<p>Jesuit High School Jesuit Robotics</p> <p>Carmichael, CA USA</p>	<p>Macau Anglican College Fish Logic</p> <p>Taipa Macau</p>
<ul style="list-style-type: none"> • Marketing display 	<p>Based on evaluation score; see the competition manual for the elements on which teams will be judged. <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>	<p>Jesuit High School Jesuit Robotics</p> <p>Carmichael, CA USA</p>	<p>Aptos High School Watsonville Firefighters' Seal Team #1272</p> <p>Aptos, CA USA</p>
<ul style="list-style-type: none"> • Engineering presentation*** 	<p>Based on evaluation score; see the competition manual for the types of elements on which teams will be judged.</p>	<p>Jesuit High School Jesuit Robotics</p> <p>Carmichael, CA USA</p>	<p>Macau Anglican College Fish Logic</p> <p>Taipa Macau</p>
<ul style="list-style-type: none"> • Product demonstration 	<p>Based on the demonstration performance; see the competition manual mission tasks and scoring.</p>	<p>Alexandria University Vortex Titans</p> <p>Alexandria Egypt</p>	<p>Macau Anglican College Fish Logic</p> <p>Taipa Macau</p>

<ul style="list-style-type: none"> • Harry Bohm/Jill Zande “Sharkpedo” award 	<p>Innovation and originality; thinking outside of the box</p>	<p>Jesuit High School Jesuit Robotics</p> <p>Carmichael, CA USA</p>	<p>D-B Excel R-Mateys</p> <p>Kingsport, TN USA</p>
<ul style="list-style-type: none"> • Biggest Bang for the Buck 	<p>Spent the least amount of money on a vehicle that performed well</p>	<p>Alexandria University MIA (Made in Alexandria)</p> <p>Alexandria Egypt</p>	<p>Beijing National Day School BNDS</p> <p>Beijing China</p>
<ul style="list-style-type: none"> • Safety Conscious 	<p>For the team that exhibited exemplary safety practices</p>	<p>Norwegian University of Science & Technology Vortex NTNU</p> <p>Trondheim Norway</p>	<p>Alpena High School Underwater Research Company</p> <p>Alpena, MI USA</p>
<ul style="list-style-type: none"> • Design Elegance 	<p>For the vehicle that incorporates aesthetics, simplicity, and functionality into its design</p>	<p>The Center for Robotics Development RC ROV, LLC</p> <p>Vladivostok Russia</p>	<p>Staples High School Curiodyssey</p> <p>Westport, CT USA</p>

<ul style="list-style-type: none"> • Aloha Team Spirit 	<p>Enthusiasm, encouragement, best team t-shirts</p>	<p>Politecnico di Torino PolitOcean</p> <p>Turin Italy</p>	<p>Mount Olive High School Loggerhead ROV</p> <p>Flanders, NJ USA</p>
<ul style="list-style-type: none"> • Guts & Glory 	<p>Overcame hardships with determination and resolve</p>	<p>Purdue University Proven Robotics</p> <p>West Lafayette, IN USA</p>	<p>Grove Academy Grover Exploration</p> <p>Broughty Ferry Scotland</p>
<ul style="list-style-type: none"> • gROVer Award 	<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>	<p>Halifax Robotics Nova Underwater Technologies</p> <p>Halifax, NS Canada</p>	
<ul style="list-style-type: none"> • Martin Bowen Memorial Inspiration for Future Engineers Award 	<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>	<p>Aleksander Nesse University of Stavanger UIS Subsea</p> <p>Stavanger Norway</p>	

<ul style="list-style-type: none"> • Flying Fish award 	<p>Presented to a team that demonstrates ingenuity and creativity in the design and operation of its ROV.</p>	<p style="text-align: center;">Mirza Samnani SVKM's NMIMS MPSTME Team Screwdrivers</p> <p style="text-align: center;">Mumbai India</p>
<ul style="list-style-type: none"> • Martin Klein MATE MARINER MEDAL 	<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>	<p style="text-align: center;">Ella Ashford PT STEM Club Sea Dragons</p> <p style="text-align: center;">Port Townsend, WA USA</p>
<ul style="list-style-type: none"> • Oceaneering Health, Safety, and Environmental (HSE) Award 		<p style="text-align: center;">Norwegian University of Science & Technology Vortex NTNU</p> <p style="text-align: center;">Trondheim Norway</p>

*****Engineering Presentation MVPs*****

EXPLORER

- **Austin Law, Jesuit High School, Jesuit Robotics, Carmichael, CA, USA**
- **Jackson Sugar, University of Rhode Island, URI Hydrobotics, Kingston, RI, USA**
- **Mirza Samnani, SVKM's NMIMS MPSTME, Team Screwdrivers, Mumbai, India**

RANGER

- **Martin Juskelis, ENKI Robotics, Highwater Foundation, Lemont, IL, USA**
- **Alice Lai, Rogue Robotics Club, Holmdel, NJ, USA**
- **Ella Ashford, PT STEM Club, Sea Dragons, Port Townsend, WA, USA**
- **Cerys Chan, Macau Anglican College, Fish Logic, Taipa, Macau**