

SPONSORSHIP OPPORTUNITIES



Maritime RobotX
Challenge

H A W A I I 2 0 1 6

DECEMBER 11 - 18





Sponsorships

Team WORX

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worx-robotx.us

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THE COMPETITION

The Maritime RobotX Challenge is the preeminent Autonomous Surface Vessel (ASV) competition worldwide. Designed as a Pacific Rim partnership, teams will be competing from the U.S., Japan, Singapore, Republic of Korea, Australia, and China.

The competition is designed to foster student interest in autonomous robotic systems operating in the maritime domain, with an emphasis on the science and engineering of cooperative autonomy. In addition, the competition facilitates the building of international relationships between students, academic institutions, and industry partners.

The 2016 competition is being held at Sand Island in Honolulu, Hawaii.

In order to compete in the event teams must have a website, team video, journal paper, and a shipping plan for their Wave Adaptive Modular Vessels (WAM-V) and equipment.

The teams will be required to perform the following tasks at the competition.

1. Demonstrate Navigation and Control
2. Find Totems and Avoid Obstacles
3. Identify Symbols and Dock
4. Scan a Code
5. Coral Survey (this challenge relates to scientist's real-world mapping of bleached coral)
6. Find the Break (markers are scanned on the sea floor and teams must locate the gap)
7. Acoustic Pinger-Based Transit
8. Judged Presentation

TEAM HERITAGE

Students from Florida Atlantic University's College of Engineering and Computer Science partnered with students from Villanova University's College of Engineering to create the combined team named Team WORX (Wildcat, Owls, RobotX).

At the 2014 competition Team WORX won first place in the land-based judging, best website, and best design presentation at the first International Maritime RobotX Challenge in Marina Bay, Republic of Singapore. The team outfitted their USV with a custom designed propulsion system, navigation sensors, control system and software that enabled the team to navigate a complex obstacle course autonomously with no remote control or human input. Due to hardware and overheating problems the team was not able to qualify for the finals.

EVENT ORGANIZERS

The 2016 event is organized by the AUVSI Foundation and Navatek, and supported by the U.S. Office of Naval Research.

READ MORE AT THE FOLLOWING WEBSITES

Team WORX - worx-robotx.us

Maritime RobotX Challenge - robotx.org



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2016 TEAM BUDGET

The total 2016 RobotX team budget is estimated to be \$68,000. This includes travel expenses, a new electronics control box, a launch and recovery system for a secondary underwater vessel, new transducers for the acoustical navigation system, an enhanced propulsion system, and spares.

SPONSORSHIP LEVELS AND BENEFITS

	PLATINUM SPONSOR \$10,000	GOLD SPONSOR \$5,000	SILVER SPONSOR \$2,500	BRONZE SPONSOR \$1,000
Logo on Competition Vehicle	LG	MED	SMALL	
Logo Recognition on Team T-shirts	LG	MED	SMALL	Co. Name Recognition
Logo on Team Website	•	•	•	•
One Personalized Company Information Sessions to Current FAU Engineering and Computer Science Students during the 2016-2017 Academic Year.	•			
Targeted Email Job Advertising to FAU Engineering/Computer Science Students	•	•	•	•
Access to team members distribution list.*	•	•		

* Targeted email job ad will be sent to students that have consented to receive such information.

HOW TO BECOME A SPONSOR

Please contact **Travis Moscicki**, Team Captain, Team WORX at **561.901.9955** or via email at **tmoscicki2013@fau.edu**.



The portion of your payment that qualifies as a charitable contribution will be reflected on the receipt you receive from the FAU Foundation, Inc. The amount of your payment that exceeds the fair market value of any consideration you received in the form of privileges or any other benefits will be the amount that may be deductible as a charitable contribution. Consult with your tax advisor for deductibility of your charitable gift.

ABOUT TEAM WORX

Team WORX is a group of graduate and undergraduate students from Villanova University in Villanova, Pennsylvania and Florida Atlantic University in Boca Raton, Florida. The team consists of mechanical engineers, computer engineers, computer scientists, ocean engineers and engineering faculty members. Villanova students work out of their Dynamic System's Laboratory and FAU students works out of their Marine Systems Laboratory, giving both sides of the team access to cutting edge technology for developing their research.

CHALLENGES TO THE PARTNERSHIP

One of the challenges that comes with a long distance partnership is that only one institution can have the competition boat at a time. To work around this problem both teams need to have the ability to replicate the other's systems. Villanova team members have simulated the platform and the control system by developing the SeaCat USV, and the FAU team members have designed a second embedded linux machine as a test platform for Villanova's software as well as an interface to all the onboard sensors. By each University developing a representation of their counterpart's component, seamless integration upon scaling becomes a possibility.



FAU team members who are also members of the FAU Marine Robotics Club.



Villanova team members.



Team locations.

CONTACT

SPONSORSHIPS



Team WORX

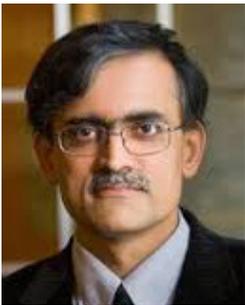
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TEAM WORX FACULTY ADVISORS



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ABOUT FLORIDA ATLANTIC UNIVERSITY

Florida Atlantic University, founded in 1961, is currently serving more than 30,000 undergraduate and graduate students at sites throughout its six-county service region in southeast Florida. FAU has an annual economic impact of \$6.3 billion. The University's student body, which ranks as the most ethnically and culturally diverse in Florida's State University System, includes many men and women of non-traditional age. Long known as an outstanding teaching institution, FAU is undergoing rapid development as a center of cutting-edge research, particularly in the biomedical arena. This process has been accelerated by the University's partnerships with three internationally known biomedical research organizations, the Torrey Pines Institute for Molecular Studies and the Max Planck Florida Institute for Neuroscience. Additionally, FAU's Charles E. Schmidt College of Medicine welcomed its inaugural class in 2011. For more information on Florida Atlantic University, visit fau.edu.

ABOUT THE FAU COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

FAU's College of Engineering and Computer Science is committed to providing accessible and responsive programs of education and research recognized nationally for their high quality. Course offerings are presented on-campus, off-campus and through distance learning in bioengineering, civil engineering, computer engineering, computer science, electrical engineering, environmental engineering, geomatics engineering, mechanical engineering and ocean engineering. For more information about the college, visit eng.fau.edu.

ABOUT VILLANOVA UNIVERSITY

Villanova University was founded in 1842 by the Order of St. Augustine. To this day, Villanova's Augustinian Catholic intellectual tradition is the cornerstone of an academic community in which students learn to think critically, act compassionately and succeed while serving others. There are more than 10,000 undergraduate, graduate and law students in the University's six colleges. For more information on Villanova University, visit villanova.edu.

ABOUT VILLANOVA UNIVERSITY COLLEGE OF ENGINEERING

Villanova University College of Engineering is committed to an educational program that emphasizes technical excellence and a liberal arts education within the framework of the University's Augustinian and Catholic traditions. As a community of scholars, we seek to educate students to pursue both knowledge and wisdom, and to aspire to ethical and moral leadership within their chosen careers, their community, and the world. For more information about the College of Engineering, visit villanova.edu/engineering.



"A posse ad esse"
- From possibility to actuality
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