

Sponsorship Package

2021-2022





MISSION STATEMENT

UW Robotics provides opportunities for passionate students to develop personal and professional skills while exploring the evolving field of robotics.

OUR TEAM

With over 35 students from Engineering, Mathematics, Science and the Arts, the Mars Rover Team strives for unique projects and international success. For the past five years, a Mars Rover robot has been sent to the University Rover Challenge at the Mars Desert Research Station in Utah.

Team members eagerly apply in-class knowledge and co-op experiences to refine previous builds, integrate new technology into our robots and improve the competitive viability of new designs.

OUR HISTORY

2019
University Rover Challenge
33rd place globally
Best ever application score

2017
University Rover Challenge
15th place globally
2nd place in Canada

2013
NASA Sample Return Robot
Challenge

2021
University Rover Challenge
Rankings not released
Competition canceled due to
COVID-19

2020
University Rover Challenge
Qualified 21st globally
Competition canceled due to
COVID-19

2018
University Rover Challenge
22nd place globally

2016
University Rover Challenge
Applied for first time
Not accepted to competition

2011
Intelligent Ground Vehicle
Competition (IGVC)

MARS ROVER COMPETITION

.....



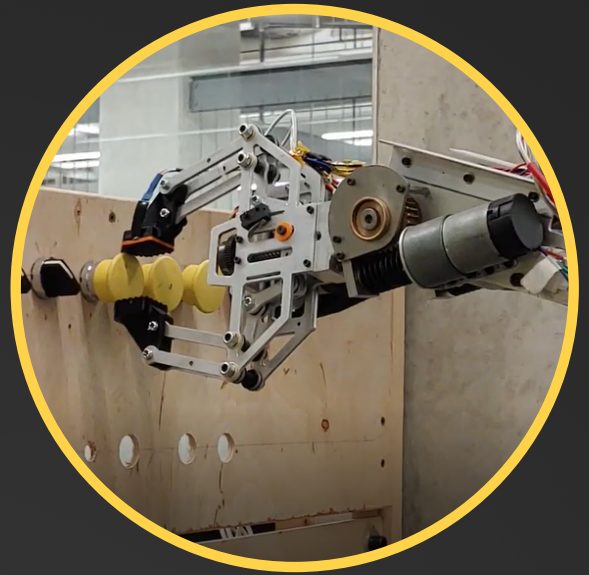
The University Rover Challenge is an annual competition hosted by the Mars Society at the Mars Desert Research Station in Hanksville, Utah. Teams are tasked to design and build the next generation of Mars rovers that will one day work alongside human explorers. Each year, more than 80 teams apply from around the world with only 36 being accepted.

Each team builds a rover capable of completing four different missions: Extreme Retrieval and Delivery, Equipment Servicing, Science, and Autonomy. For all tasks, except autonomy, the rover is teleoperated with users, relying on camera feeds and sensors. In the autonomy task, the robot must identify a tennis ball at the correct location, given a GPS waypoint, while avoiding obstacles along the path.

After building a competitive reputation over the past five years, UW Robotics is aiming for a personal best finish in 2022.

CURRENT PROJECTS

.....



Mechanical

Designing, prototyping, machining, assembling, and testing the arm, drivetrain, chassis, and science components

Electrical

Designing a 48V power distribution system. Designing PCBs to control the rover's peripheral systems

Software

Porting the software repository from ROS1 to ROS2.
Implementing an autonomy stack

Firmware

Integrating and customizing the ODrive open source firmware.
Writing firmware for boards designed in-house. Developing drivers for new sensors



SPONSOR US

Envision Your Contribution

We have performed well in international competitions and have made our current sponsors proud. Imagine your company logo displayed in front of a worldwide audience on robots that you helped create.

Help Young People Learn











UW Robotics Team is a platform for young, passionate individuals to develop their interests in technology. By sponsoring the team, you help give us the opportunity to learn necessary technical skills, gain hands-on experience and, ultimately, create a rover that can be sent to the final frontier.

In-Kind Sponsorships

Along with monetary sponsorships, we are also searching for help from in-kind sponsors, who provide us with materials and manufacturing. These contributions greatly enhance the success of our projects.

SPONSORSHIP OPPORTUNITIES



Sponsorship Levels	Platinum \$ 10000+	Gold \$ 5000+	Silver \$ 1000+	Bronze \$ 500+
Social media shoutout				
Advertisement opportunity at events				
Company name and logo on promotional material and coordinated social media campaign				
Large sized company name and logo on Waterloo Robotics website, robots, and team uniform				
Medium sized company name and logo on Waterloo Robotics website, robots, and team uniform				
Small sized company name and logo on Waterloo Robotics website, robots, and team uniform				

LEARN MORE

..... CONTACT US



uwaterloorobotics@gmail.com



<https://www.uwaterloorobotics.com/>



[@uwrobotics](https://www.instagram.com/uwrobotics)