CARLETON PLANETARY ROBOTICS TEAM

2017-2018 SPONSORSHIP PACKAGE

DEAR POTENTIAL SPONSOR,

Thank you for taking the time to read through our sponsorship package and we hope that you consider sponsoring the Carleton Planetary Robotics Team. CPRT is a fully student-run, extracurricular group from Carlton University working to design, manufacture, and build a teleoperated Mars rover for competing in international competitions. Each competition features serval different events, including: soil sample collection and testing, autonomous traversing and obstacle avoidance, tool collection and delivery, and using the rover's robotic arm for precise object manipulation.

This year, CPRT is working towards competing in three different events around the world:

- University Rover Challenge - Mars Desert Research Station, Utah - June
- Canadian International Rover Challenge - Drumheller, Alberta - July
- European Rover Challenge - Podkarpackie, Poland in the Fall

Our mission is the provide team members with hands-on engineering and design experience prior to graduation, while also working to engage the public about space exploration in an effort to inspire the next generation of STEM leaders.

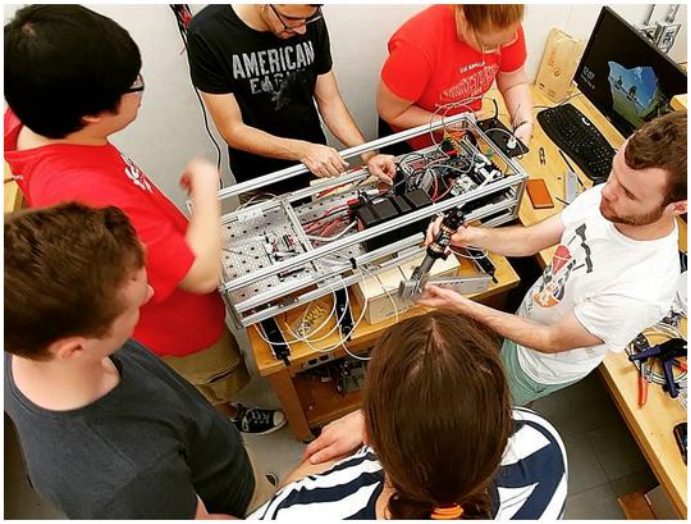
The success of CPRT relies heavily on donors such as yourself. All proceeds raised are used to help cover the costs associated with the purchasing of equipment and materials, travel, manufacturing, and testing. Any donations in the form of monetary contributions, materials, or professional service is greatly appreciated and valued accordingly.

We appreciate you taking an interest in CPRT and becoming a potential sponsor, as we look forward to forming a partnership with you. For more information, or if you have any questions or concerns, please feel free to email the team at carletonplanetaryrobotics@gmail.com.

Sincerely,

Lucas Brewster
CPRT President 2017-18

THE TEAM



The Carleton Planetary Robotics Team is comprised of over 50 students from the Faculty of Engineering and Design, along with Science and Business programs. The large scale of the project brings together team members from the streams of Aerospace, Communications, Computer Systems, Electrical, Engineering Physics, Mechanical, and Software. Founded largely by 1st and 2nd year students, the team has grown to contain students in a wide range of years from 1st to 4th. This diversity of years allows for new students to be mentored, learn from workshops run by more senior members, and gain invaluable design experience.

THE COMPETITIONS

The competitions we compete in have the following breakdown of tasks:

1. Terrain Traversal: nagivate through a series of gates over the rough, rocky terrain of 'Mars'.

2. Autonomous Navigation: travel from point A to point B autonomously. the rover is required to perform its own obsticale navigation, path planning, and know when it has arrived at it's final destination.

3. Science Cache: travel to a site, take panoramic and close-up pictures, collect a soil sample from the bottom of a drilled hole, perform tests onboard the rover, store cache samples for later testing, and then team members present all results in respect to Mars geology and the search for life.

4. Astronaut Assistance: travel to various sites and use the rover's robotics arm to pick up various tools and objects that need to be delivered to a specified location.

5. Equipment Servicing: using our robotic arm, manipulate a series of switches, dials, and levers, pour a jerry can, and push buttons in a specific order.

SPONSOR BENEFITS

Thank you for considering sponsoring our team! Below is our sponsorship levels - please note that the value shown includes both monetary and in-kind sponsorship.

Title	Platinum	Gold	Silver	Bronze	Sponsor Level
$5000+	$2500+	$1000+	$500+	$100+	Value
■	■	■	■	■	Invitation to Launch Events
■	■	■	■	■	Logo on Website
■	■	■	■	■	Recognition on Social Media
■	■	■	■	■	Progress Updates
■	■	■	■		Logo / Name on Rover
■	■	■			Logo / Name on Team Apparel
■	■				Logo / Name on Banner
■					Signage / Promotional Material at Events
■					Custom Opportunities Upon Request