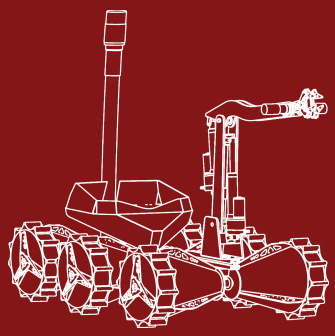
The UNIVERSITY of OKLAHOMA

GALLOGLY

College of Engineering

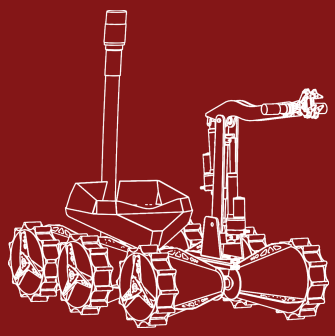
Sooner Rover Team

Who We Are

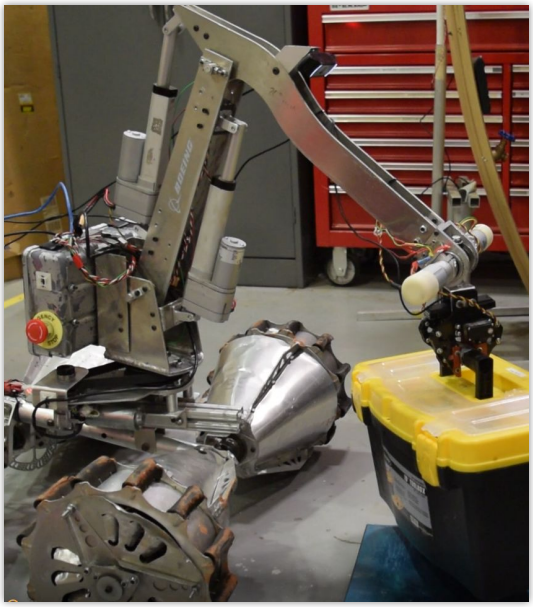


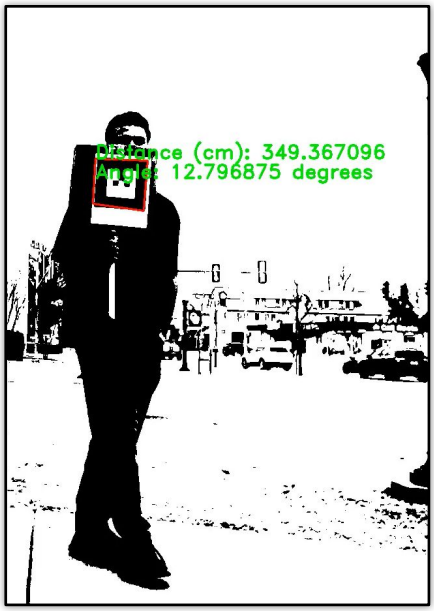
The Sooner Rover Team is an interdisciplinary student competition team of over 60 students working together to design, build, and test a mock-up Mars rover. Every year, we compete against other teams from top universities around the world at the Mars Desert Research Station in Hanksville, Utah. We are proud that every line of code, mechanical component, and electrical circuit is entirely student created, implemented, and proven.

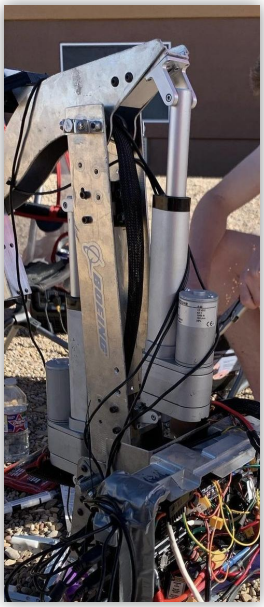
What We Do



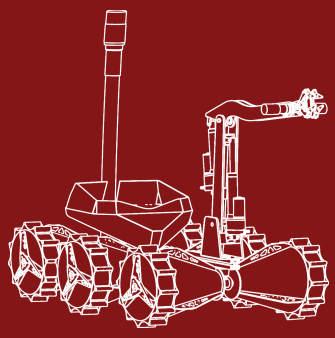
Each year, our team participates in the University Rover Challenge hosted by The Mars Society. The competition consists of four separate missions: extreme retrieval, fine manipulation, autonomous, and science. Our arm aids us by dragging toolboxes and manipulating switches, a GPS and cameras mounted on the rover help to navigate autonomously, and our science package allows us to test for life and collect samples for analysis. Together, these technologies allow us to succeed in missions mimicking realistic scenarios for a rover on Mars.





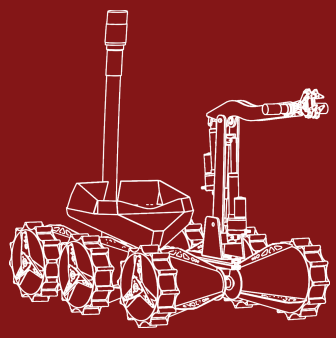


Our People



Sometimes, the hardest wheels to fill are your own! This year, the Sooner Rover Team has made a concerted effort to optimize our recruitment process and retention of new members. We have placed a special emphasis on training skills like CAD and PCB design years before they are taught in the regular curriculum. Not only does this equip members to be successful in internships and jobs, it also allows them to make a meaningful impact on the team. Through these efforts, our membership has increased over 300% from the same time last year.

Why Your Support Matters



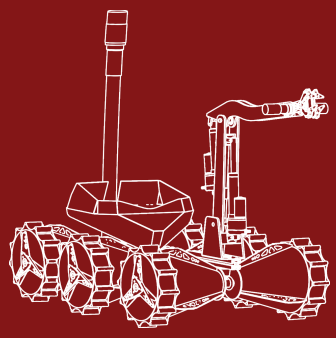
Coming off of our success in the 2022 URC finals, we are looking to come back even stronger. We are redesigning or upgrading almost every rover system including our arm, science package, GPS, and wheel electronics. Each of these represents a financial investment of not just on-board hardware but also the materials for prototyping and training.

When you support the Sooner Rover Team, you're not only providing the physical components that allow us to compete. You're also providing opportunities for our students to gain valuable technical and interpersonal skills. Experience on Sooner Rover has allowed our students to thrive at major aerospace companies such as Northrop Grumman, NASA, Boeing, and the FAA.

Selected Team Expenses:

- Current on-board components: $6,500
- Last year's travel: $2, 500
- Quarter-scale rover test unit: $1,500

Support Levels

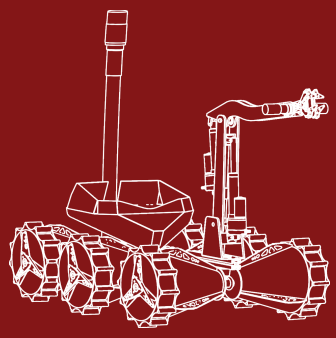


	Perseverance ($5,000 +)	Ingenuity ($3,000 to $4,999)	Curiosity ($1,000 to $2,999)	Opportunity (up to $1,000)
Signed thank you note	✓	✓	✓	✓
Name on website	✓	✓	✓	✓
Logo on Rover	✓	✓	✓	
Social media shout out	✓	✓	✓	
Logo on shirt	Large	Small		
Design review with team	✓			

**All donations of at least $10,000 qualify for a banner in the Engineering Practice Facility*

We also welcome in-kind gifts. If you're interested in an in-kind gift, please reach out to us to discuss how you can best support. Sponsorship levels for in-kind gifts will be evaluated at market value.

Stay in Touch



Ready to join our team? Let's chat! Reach out to us at soonerrover@ou.edu to learn more about our mission and how you or your company can play a part in helping achieve it.

With your support, we are looking forward to iterating, innovating, and achieving our goals and inspiring and igniting passion for engineering in OU students for many years to come.

Contact info
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Instagram: @soonerrover