

Students for the Exploration and Development of Space (SEDS) Rice & Society of Women in Space Exploration (SWISE) Rice

Sponsorship Prospectus



*Students attending the Networking and Career Fair at the 2020 Owls in Space Symposium



About SEDS

SEDS Rice is a 501(c)3 non-profit that empowers young people to participate and make an impact in space exploration. SEDS Rice aims to empower undergraduate and graduate students to explore and engage in space disciplines both at Rice and abroad. The Rice Space Institute is the official sponsor of SEDS Rice and the Rice Space Institute's heritage dates back to the creation of the world's first Space Sciences Department in 1963 and President Kennedy's "Moon Speech" in Rice Stadium. SEDS Rice is an official branch of SEDS-USA, the largest student-run space organization in the world.

SEDS Rice helps students develop their technical and leadership skills by providing opportunities to lead projects and attend events. Some of SEDS Rice's current projects and events include the OwlSat CubeSat, the NASA Human Exploration Rover Challenge, and the Owls in Space Symposium. Visit seds.rice.edu for more information!

A Message from the SEDS Rice President:

SEDS Rice strives to expand access, diversity, and inclusivity in aerospace disciplines. Through our numerous hands-on projects and interactive events, we aim to open doors for all Rice students to appreciate the wonderful people and opportunities in the aerospace industry. Open to all students, the welcoming nature and inclusive culture of SEDS enables success for people of diverse backgrounds. We hope that you can connect with SEDS Rice and support the wonderful initiatives of the future leaders of our world.



Ryan Udell
President | SEDS Rice
MechE '21



About SWISE

Founded in June 2020, SWISE Rice aims to provide a platform to women and other underrepresented persons in STEM to talk and discuss current trends, issues, and be able to have open conversations about career paths. SWISE aims to promote and encourage diversity in an otherwise male-dominated sector. SWISE Rice is an official affiliate of SEDS Rice and members receive all the benefits of both SEDS Rice and SWISE Rice.

SWISE hosts events that helps students connect to industry professionals and learn about their careers and their journey. Examples of these events include guest lectures, panel discussions, and group discussions. SWISE also celebrates the achievements and diversity in the industry through outreach programs and movie nights. SWISE joins SEDS in engaging with middle and high school students to encourage the next generation to pursue aerospace disciplines and teach students about the different opportunities in STEM.

A Message from the SWISE Rice President:

SWISE Rice aims to provide a platform to women and other diversities in STEM to talk and discuss current trends, issues, and be able to have open conversations about career paths in the space sector. We promote and encourage diversity by connecting students to professionals and experts in the field through seminars/webinars, guest lectures, and panel discussions to start and engage in meaningful conversations. We welcome all students to learn about the industry, get advice, and mentorship from brilliant minds in the field. Our affiliation with SEDS Rice enables us to access an even bigger network and get hands-on experience on various projects.



Feni Pandya
President | SWISE Rice
Vice President | SEDS Rice
Space Studies '21



Events

OWLS IN SPACE SYMPOSIUM

Founded in 2019, the Owls in Space Symposium brings together over 250 students, faculty, and industry professionals to engage with over 15 aerospace companies. The one-day event is full of lectures, keynotes, and a career fair! Notable past attendees include NASA Administrator Jim Bridenstine, NASA Johnson Space Center Director Mark Geyer, and Astronaut Dr. Peggy Whitson.

*Pictured to the right: NASA Administrator at the inaugural Owls in Space Symposium on April 13th, 2019.



SEDS/SWISE Lecture Series

SEDS and SWISE aims to enrich student experience by providing opportunities to learn about aerospace careers, pathways, and industry from professors, companies, and aerospace professionals. We welcome any space professional or company to reach out to learn how you can get involved with Rice students!

*Pictured to the left: Academic careers in aerospace lecture.

Next Generation Outreach

SEDS and SWISE are dedicated to inspiring the next generation of space explorers and entrepreneurs. SEDS and SWISE speaks to middle and high school students several times a year to inspire future space leaders. We also support Rice to promote space activities on campus such as Space Day at the Ball Park.

*Pictured to the right: Space presentation to over 150 high school and middle school students.



Spaceport Lecture Series

SEDS and SWISE supports the Rice Space Institute and Houston Spaceport Spaceport Lecture Series on Rice University's campus by live streaming the presentation on our YouTube channel. SEDS and SWISE actively promotes these events and supports numerous space events at Rice including Space events at the Baker Institute of Public Policy, Athletic events, and various other institutes.

*Pictured to the left: Lunar South Pole Spaceport Lecture.



Projects

OwlSat CubeSat: Rice's Ride to Space

The OwlSat CubeSat is a 1U (10x10x11 cm) CubeSat Satellite that will record extreme ultraviolet radiation measurements of the Sun, the satellite's orbital velocity, and the satellite's orbital position to help researchers build a machine learning model to describe how varying EUV values change the orbital decay rate of a Low Earth Orbit satellite over time. OwlSat was selected in the 11th round of the NASA CubeSat Launch Initiative to receive a spot as an auxiliary payload to space. OwlSat is currently targeted for an early 2022 launch date.

The Owlsat team is led by Eric Yang, Computer Science '23, and Douglas Steinbach, Materials Science and Nanoengineering PhD. Assisted by the world class Wiess School of Natural Sciences, the Head Science Advisor is Hoik Jang, Space Studies & MBA.

*Pictured to the right: OwlSat CubeSat Mission Patch.



NASA Human Exploration Rover Challenge

For the NASA Human Exploration Rover Challenge, Rice students design, build, and race a human-powered, collapsible vehicle over simulated lunar and Martian terrain. The challenge provides an immersive, hands-on, and authentic engineering experience which tests the capabilities of students to design complex structures. The team at Rice is led by Emily Ellison, Mechanical Engineering '23. With a passion for innovation in the space industry, Emily will motivate the team to achieve great engineering challenges.

*Pictured to the left: Students competing in the NASA Human Exploration Rover Challenge in Huntsville, Alabama. Image courtesy of NASA.



MOONSHOTS

SpaceVision 2021

MOONSHOTS are not just about going to the moon. They are also about tackling ambitious projects and taking great strides in our search for knowledge in space. This theme encompasses many advancements to come in the next few years, from the Artemis missions to the James Webb Telescope!

SEDS Rice was selected to host SpaceVision 2021 in partnership with SEDS-USA. With over 500 attendees expected to attend, SpaceVision will be a fun and great way to connect to leaders in anything space related.



What is SEDS SpaceVision?

The SpaceVision conference is almost as old as SEDS itself, bringing together students of many disciplines from all corners of the country to celebrate their shared passion for all things space. Building on the tradition started in 1989 among the first SEDS chapters, this gathering includes panels of industry leaders, technical project competitions, and opportunities for our members to engage with current professionals from across the space sector. Whether you are interested in aerospace engineering, marketing, astronomy, or programming, there will be plenty of opportunities for you to explore your interests and connect with passionate students!

For more information about how you can support and attend the largest student-run space conference in the world, contact the Rice SpaceVision team at sedsrice@gmail.com.



Sponsorship Opportunities

The success of SEDS & SWISE Rice relies on our sponsor's continued support for us to be able to provide our members with the project, leadership, and development skills. SEDS Rice is a 501(c)3 non-profit and tax exempt. All donations directly support our students.

	Platinum Sponsor	Gold Sponsor	Silver Sponsor	Bronze Sponsor
Value	\$10,000+	\$5,000+	\$2,000+	\$500+
Listed on Website and all major Outreach Materials (ex: sponsorship packet)	Yes	Yes	Yes	Yes
Social Media Posts / Advertisements	5 per semester	3 per semester	1 per semester	1 per year
Personalized tour of SEDS Rice project facilities	Yes	Yes	Yes	Yes
OwlSat: Organization name etched on chip on OwlSat	Exclusive Own Large Chip	Exclusive Own Standard Chip	Sponsors Chip	Standard Name Chip
Logo on t-shirts	Yes	Yes	Yes	Yes
Guaranteed Owls in Space Symposium Booth	Yes	Yes	Yes	
Logo on NASA Exploration Rover	Yes (Large)	Yes (Medium)	Yes (Small)	
Named as sponsor of SEDS Rice lecture, panel, or event	All events	3 events	1 event	
Title Sponsor Rights to one major SEDS Rice project (NOTE: OwlSat is \$15,000+ for title sponsor)	Yes			

Major Project is defined as a project that exceeds a budget of \$10,000.

Non-monetary donations will be given equivalent sponsorship level based on value of goods or services.



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