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WPI's High Power Rocketry Club

Sponsorship Handbook

2022 - 2023



Worcester Polytechnic Institute

OUR TEAM

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Under Worcester Polytechnic Institute's American Institute for Aeronautics and Astronautics chapter, the **WPI High Power Rocketry Club** is an interdisciplinary team of passionate undergraduate engineering students devoted to the research and development of launch vehicles, payloads, and space exploration.

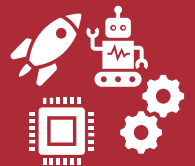
We first began our journey in 2019 by competing in NASA's University Student Launch Initiative. In four years' time, we have grown immensely as a club, expanding our knowledge base and capabilities as we continued competing and thereby established ourselves as WPI's premiere rocketry team!



1 Award



100+
Students



6+ Majors



4+ Years
Competing



DIVISIONS

Each of the three divisions are comprised of 4-5 subteams that work on a specific subsystem of the vehicle. System integration is reviewed frequently, enabling cross-collaboration and member education between divisions and subteams whilst cultivating innovation.



MISSION

Our mission is to develop innovative engineers, critical thinkers, and proficient communicators as we build a high-power rocket and payload for competition.

Competitive rocketry demands a collaborative and applied work environment. This experience creates opportunities for team members to gain experience with engineering, mission design and execution.

Our members use these opportunities to apply the tools from their traditional classroom education to real-world problems, preparing themselves for a career in engineering.



OUTREACH

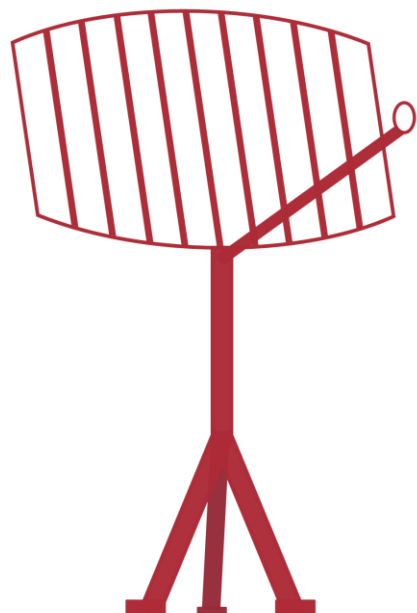


In the spirit of the Robert H. Goddard, professor and pioneer in the field of modern rocketry, we strive to engage with our community and provide a STEM education that is not often experienced.

Through community outreach events and volunteering, we bring our work to various students and engage with them on high-power rocketry and payload topics. By connecting with local schools and organizations to educate on these topics, and by sharing our STEM experiences and providing role models, we hope to cultivate the next generation of young scientists and engineers as they realize their passion for STEM.

We are proud to be involved in many programs including:

- Civil Air Patrol
- Introduce a Girl to Engineering / Engineers on the Go
- WPI TouchTomorrow





SPACEPORT AMERICA® CUP



Beginning in the year of 2022, our team has competed in the Spaceport America Cup's Intercollegiate Rocket Engineering Competition (IREC)—hosted by the Experimental Sounding Rocket Association and serving as the world's largest such intercollegiate rocket engineering competition.

With around 150 teams representing higher education institutions and participating each year in Southern New Mexico, the competition is demanding with a one-of-a-kind experience as close to 2,000 individuals gather to share their passion and work with high-power rocketry. This includes rockets capable of reaching target altitudes of 10,000 or 30,000 ft above ground level and with most even integrating 8.8 lb payloads.

Our team continues to participate in the Spaceport America Cup and plans to compete again in the 10,000 ft target altitude category, incorporating a robotic payload capable of accomplishing a student-devised mission objective.

*Read about our 2022
IREC experience here!*



SUPPORT OUR TEAM!

WE WELCOME:

- Monetary donations
- Mentorship*
- In-kind contributions[§]
 - Services provided
 - Material/equipment/
license donations
 - Discounts

Corporate Sponsors

| Benefits by sponsorship tier: | Bronze \$500+ | Silver \$1,000+ | Gold \$2,000+ | Platinum \$3,500+ |
|--------------------------------------|------------------|--------------------|------------------|----------------------|
| Newsletter updates | ✓ | ✓ | ✓ | ✓ |
| Logo on team website | ✓ | ✓ | ✓ | ✓ |
| Logo on team apparel [†] | | ✓ | ✓ | ✓ |
| Invitation to sponsor showcase event | | ✓ | ✓ | ✓ |
| 2"x 2" Rocket body logo | | ✓ | | |
| 4"x 4" Rocket body logo | | | ✓ | |
| 6"x 6" Rocket body logo | | | | ✓ |



Individual Donors

| Benefits by donor tier: | Affiliate \$100+ | Rocketeer \$500+ |
|--------------------------------------|---------------------|---------------------|
| Newsletter updates | ✓ | ✓ |
| Honored on team website | ✓ | ✓ |
| Invitation to sponsor showcase event | | ✓ |

* Mentorship will be evaluated at a \$20 hourly rate as credit towards the company's overall contribution.

[§] Fair market value of in-kind contributions will be used to determine the level of support. Certain services (e.g., facility space) will be evaluated on a case-by-case basis.

[†] For logo to be included on team apparel, sponsor must commit prior to January 1, 2023.

THANK YOU TO OUR 2022 SPONSORS!

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