



IEEE

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Utah State University Student Branch

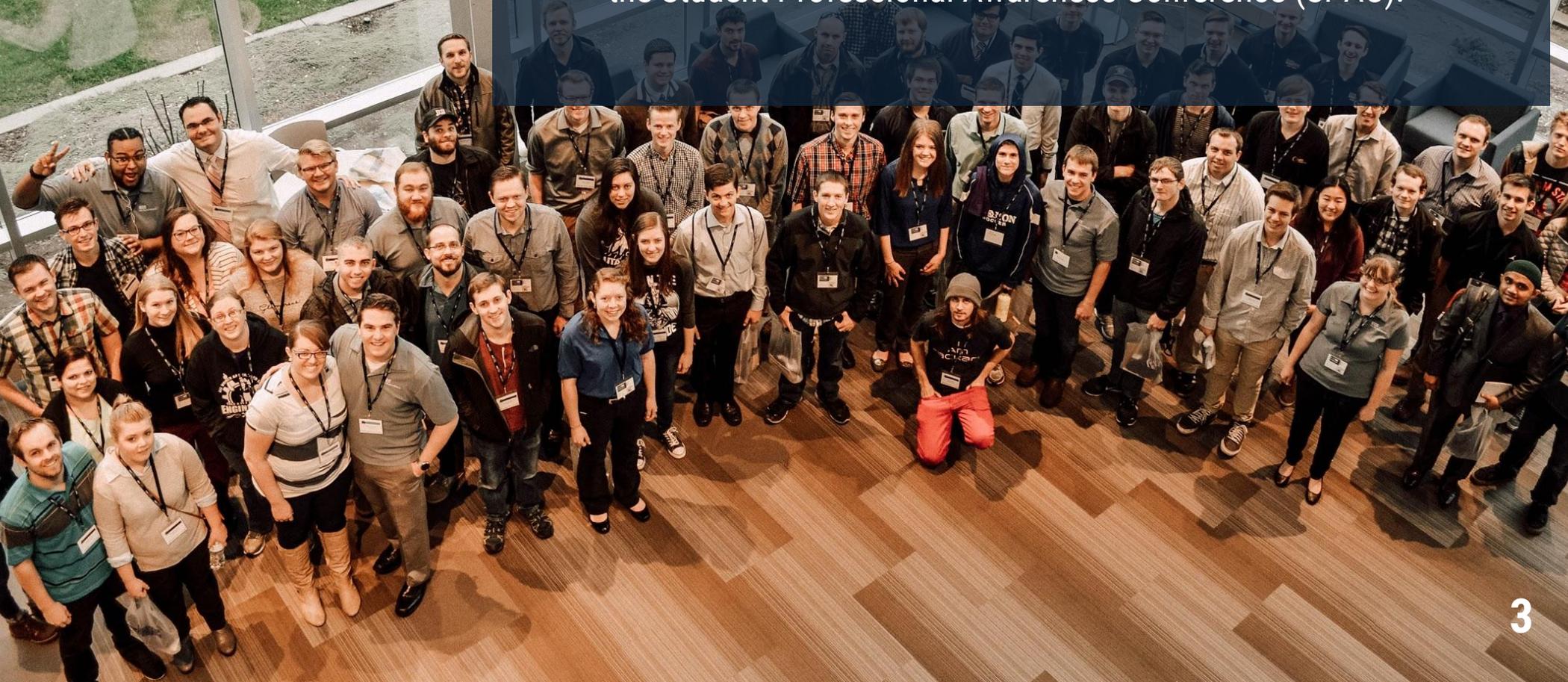
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INTRODUCTION

The USU IEEE Student Branch is the official club of the Electrical and Computer Engineering Department at Utah State University. Tracing back to the 1940s, this club offers its members the opportunity to prepare for their future careers, to network with IEEE Professionals, and to have fun while attending USU. USU IEEE has fostered many long standing traditions enjoyed by the entire college and surrounding area, including the end-of-year steak fry and the Student Professional Awareness Conference (SPAC).



A close-up photograph of a person's hands working on a printed circuit board (PCB). The person is using a soldering iron to apply solder to a component on the board. The board is populated with various electronic components, including integrated circuits and resistors. The background is dark and out of focus, emphasizing the hands and the work being done.

USU IEEE sponsors a variety of student built projects -- from organized teams, such as the Autonomous Vehicle Competition and Mars Rover Competition, to smaller student projects, such as building an electric longboard or LED display.

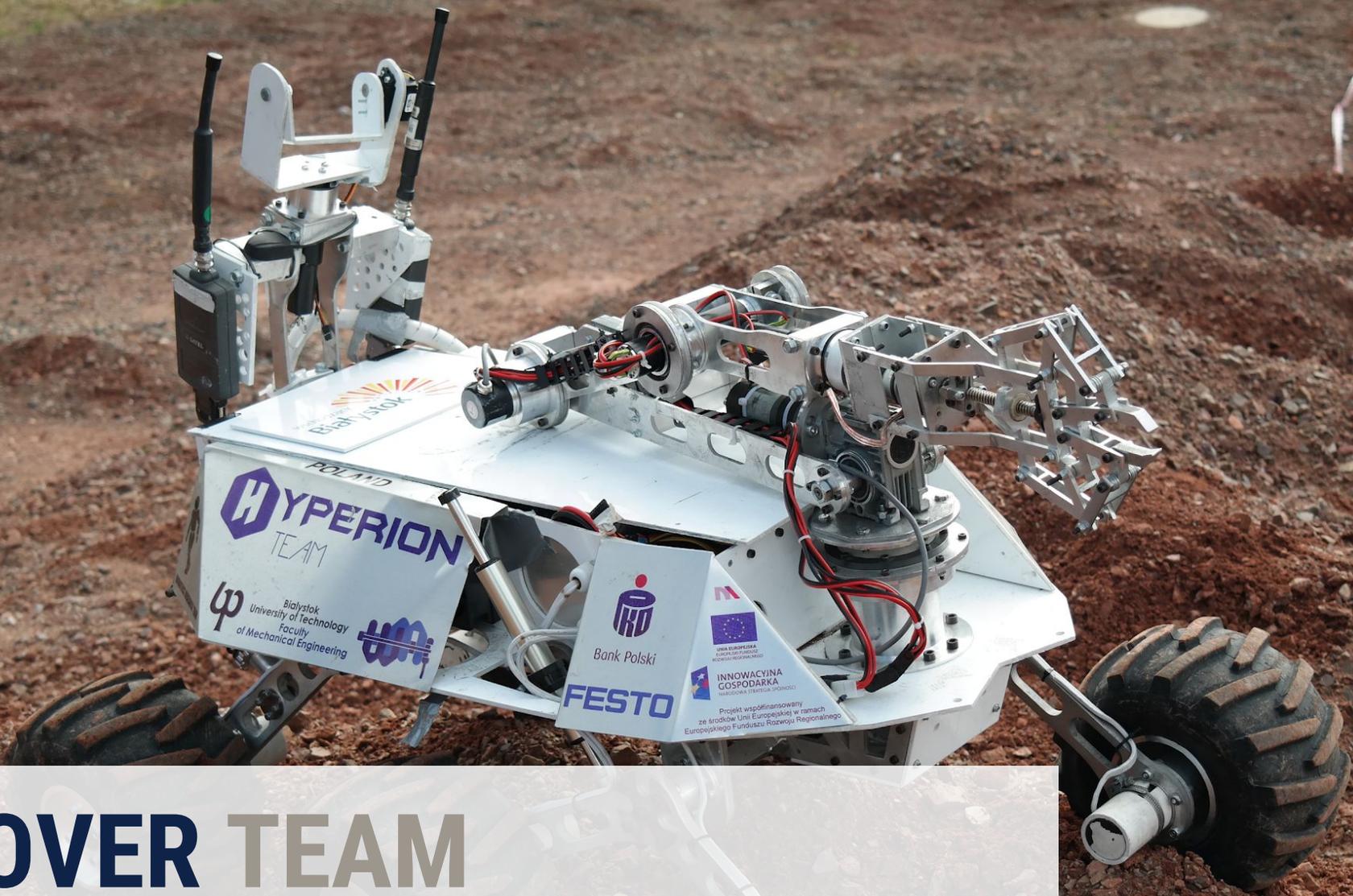
PROJECTS



AVC TEAM

For the past three years, USU IEEE has sponsored a team to compete at the Sparkfun Autonomous Vehicle Competition in Colorado. Students develop a vehicle to navigate an obstacle course in the fastest time without human interaction. The team has consistently performed well at the competition, and even took second place in 2017.

Competition info: avc.sparkfun.com



ROVER TEAM

The rover team is a new addition to USU IEEE this year. An interdisciplinary team of students will build a Mars rover to compete at the Mars Desert Research Station in the University Rover Challenge. This is a competitive international competition and teams will complete a variety of challenges including terrain, science, and manipulation tasks.

Competition info: urc.marssociety.org

ROCKET TEAM

The rocket team, or Experimental Rocket Propulsion Lab, last year flew a 10 ft. rocket to 12000 ft. above ground level. They competed at the Spaceport America Cup, the largest rocketry competition in the world. Rocket Team is an interdisciplinary team bringing Electrical and Mechanical engineering students together to successfully launch a rocket to a target altitude.

Competition info:
spaceportamericacup.com



USU IEEE hosts a variety of events during the school year, including tech talks, workshops, the Student Professional Awareness Conference, and hackUSU.



EVENTS

USU IEEE holds workshops throughout the school year open to all USU students. Workshops focus on developing technical skills that will prepare students for their career in Electrical or Computer Engineering. Workshops cover topics such as soldering, Matlab, programming skills, and PCB layout.



The Student Professional Awareness Conference (SPAC), hosted by USU IEEE, is an opportunity for students to develop professional and technical skills that often are not taught in class. Since 2014, the USU IEEE branch has hosted the largest SPAC in the Utah section. SPAC's workshops, speakers, and panel discussions draw hundreds of attendees each year, and we are constantly looking for ways to grow and improve.

SPAC

STUDENT PROFESSIONAL AWARENESS CONFERENCE

hosted by IEEE





Every year Utah State University hosts hackUSU, one of the largest Hackathons in Utah. This year, USU IEEE is collaborating with hackUSU to add a hardware aspect to the Hackathon. Attendees will be able to implement their project ideas using hardware such as Raspberry Pi, Arduino, VR goggles, Amazon Echo, and various other microcontrollers or hardware components.

For more information: hackUSU.org



USU IEEE hosts a variety of presentations and “Tech Talks” for students throughout the year. These are opportunities for students to hear from industry leaders about new technologies and better prepare for their careers.





USU's IEEE Student branch is only possible because of:

- Student volunteers, who give of the most valuable thing that they have, and that is their time, to IEEE causes.
- USU's Electrical and Computer engineering department providing facilities for IEEE, as well as financial support
- USU's College of Engineering contributing to IEEE, helping with activities and competitions.
- Generous Sponsors from industry and the community, helping IEEE provide opportunities for students.

Your support will allow us to continue to provide valuable experiences to students at Utah State University.

Some of our expenditures for the school year include:

- Workshop supplies and components
- Study area maintenance
- Student Professional Awareness Conference (SPAC)
- hackUSU
- Tech Talk refreshments
- Project supplies, components, and transportation
- Support for competition teams



EXPENDITURES

SPONSOR TIERS

	Silver	Gold	Platinum
	\$1000	\$2000	\$5000
IEEE resume database	✓	✓	✓
Logo on website	✓	✓	✓
Logo in IEEE room	✓	✓	✓
Publicized recruiting event	✓	✓	✓
End of Year Banquet invitation		✓	✓
Logo on SPAC t-shirt		✓	✓
SPAC attendee resumes		✓	✓
Recruiting display in IEEE room			✓
Logo on competition projects			✓
Networking booth at SPAC			✓

Custom packages are available upon request. Contact ieee@usu.edu

Thank you for your support!

Checks should be made out to **USU IEEE Student Branch**

Mail to:

USU Advancement Office

1590 Old Main Hill

Logan, UT 84322-4120

OR

Online at:

<https://ece.usu.edu/ieee/giving>

Contact ieee@usu.edu with any questions you may have.