IEEE Student Branch at UC Riverside
Corporate Sponsorship Package 2020 - 2021

Email: ieeeucr@gmail.com
Website: ieee.ee.ucr.edu
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Who are we?

Established in 1998, IEEE@UCR has strived to provide students with technical, social, and professional development in the engineering field. To expand student experience beyond the classroom, we host on-going projects in which members gain hands-on experience in technical skills, teamwork, communication, and problem-solving. Along with our projects, we host several technical and professional development workshops on Raspberry Pi, Arduino, Resume building, and more. In addition, we hold outreach events to further educate and inspire the youth to pursue studies in STEM.

IEEE@UCR is committed to providing opportunities that allow for the professional and personal growth of our members. We dedicate ourselves to enriching the engineering community on campus through our events and by having an amiable workspace for innovative individuals.

Due to COVID-19, IEEE@UCR will continue all events and workshops online. Our project members are still collaborating remotely with aims to finish their project in time for competition season. To stay updated, visit our website at ieeeucr.org

Accomplishments and Awards

- BCOE Best Professional Development
- IEEE Outstanding Large Student Branch Award for Region 6
- BCOE Organization of the Year
- ASUCR Best Executive Board of the Year
- ASUCR Best Collaborative Event - Citrus Hack

- Over 100 workshops and events annually
- Over 150 student members
- 4 Annual projects competing on a national level
- Outreach to K-12 students
Meetings & Workshops

Through our student-led technical workshops, IEEE@UCR aims to reinforce theories from the classroom with practical application and provide more opportunities to learn different engineering skills. We also offer professional development workshops to ensure that our members can learn essential soft skills and prepare to join industry. Some of our most popular workshops are:

- Arduino
- Raspberry Pi
- Soldering
- PCB Design
- Resume Review
- Mock Interview
- LinkedIn
- Internship Panel

During the academic term, IEEE@UCR hosts biweekly general meetings in which we invite professionals from industry and academia to share their vast experiences in their field with our members. Through this, we hope to provide our members with networking opportunities, inspiration, and a space in which they can interact with other student engineers. Although we place a heavy focus on practical experience and learning, IEEE@UCR works to create a welcoming and friendly community by hosting several socials throughout the year.
Micromouse

IEEE@UCR’s Micromouse project is comprised of members working together to design and construct a small autonomous wheeled robot that can solve a maze by reaching its center. Since 2000, our teams have been competing in university level competitions hosted at campuses such as UCSD, UCLA, and more. IEEE@UCR hosts the Regional Micromouse Competition in UC Riverside where we invite teams from different universities to come and compete.

Through this project, we have helped establish a strong robotics community at UCR. Our mission is to provide resources that teach the foundational skills of robotics and embedded systems that will aid young engineers in developing their skills and in pursuing careers in the areas of but not limited to: autonomous vehicles, industrial robotics, and embedded technology.

Solar Car

Founded in 2015, the UC Riverside Solar Car has worked from the ground up to design, develop, and race a solar powered vehicle in the Formula Sun Grand Prix. Our team is comprised of over 25 dedicated undergraduate students from various majors with one goal: to raise awareness about alternative energy-based transportation.

We strive to facilitate applicable experience in the areas of engineering, business, marketing, and management. By showcasing our fully functional solar powered vehicle, we aim to inspire the public towards the use of more sustainable and renewable energy sources for transportation.
Projects

RoboSub

The UCR RoboSub project consists of over 20 active members that work year-long to collaboratively create a unique autonomous submarine. Since 2015, we have competed in the International RoboSub competition hosted annually by RoboNation in San Diego. In competition, our Robosub, The Seadragon, must complete challenges that revolve around core aspects of naval robotics such as course navigation, obstacle identification, and obstacle interaction.

For our efforts and success, Robosub was awarded “Best Project of the Year 2018 - 2019” by the Bourns College of Engineering. We strive to develop our team members’ skills in electrical, software, and mechanical engineering; to host outreach events and inspire our community’s youth; and prepare students for post-graduate success.

UAS

Since 2013, student engineers of IEEE@UCR and ASME have collaborated to design and build an Unmanned Aerial System (UAS) for the AUVSI-Student Unmanned Aerial Systems (SUAS) competition. Following competition requirements, our UAS can perform autonomous flight, autonomously identify ground targets using onboard imaging, connect with a simulated remote intelligence center, drop a payload onto a target.

Through this project our members have gained insightful knowledge and experience in design, analysis, and creation of a system capable of conducting autonomous aerial operations. We dedicate ourselves to continuously improve our system, build our team’s skills, and do outreach to inspire young minds to pursue engineering.
Merit Badge Day

In Association with the Mt. Rubidoux District - CIEC- Scouts of America, IEEE hosts Merit Badge Day twice a year. It is our largest outreach event where over 150 scouts attend to earn various STEM related merit badges. Each Merit Badge Day, over 50 student engineers volunteer to teach the scouts various skills relating to the badges including soldering, circuit analysis, robotics, and programming. We hope to expand the event and obtain resources that will enrich the scouts’ learning experience. IEEE@UCR takes great pride in facilitating a fun opportunity for young minds and in encouraging the youth to engage in STEM learning.

ECE Day

ECE Day was created by IEEE@UCR on behalf of the ECE department on campus to provide engineering students with the opportunity to expand their network and learn about the promising future of careers in this innovative field. During the event, we have graduating students showcase their senior design projects and invite guest speakers from industry to speak on professional and technical topics that may help prepare students for the workforce.

Our intent is to create a space where we can foster dialogue between students and professionals, in hopes of bridging the gap between the classroom and professional prospects.
Hackathons

Cutie Hack

Cutie Hack is a beginner-friendly, 12-hour hackathon hosted by IEEE@UCR and ACM at UCR. Cutie Hack welcomes “hackers” of all skill levels and is designed to help them get used to the time crunch of a hackathon environment. Throughout the 12 hours, participants work in teams on a project, attend workshops to learn about new technologies, and network with industry partners.

Cutie Hack aspires to be an outlet for young engineers in which they may showcase their technical capabilities to a wider audience and explore their creativity.

Citrus Hack

Citrus Hack is Southern California’s premier 36-hour hackathon where hundreds of students from all over the country come together and form teams to build projects from scratch over the duration of the hackathon. During the hackathon, we host a variety of technical workshops and networking opportunities that include guest speakers and more.

This event is hosted by IEEE@UCR in collaboration with ACM at UCR with the aim to develop students’ technical and team working skills. Citrus Hack focuses on the brilliant partnership between education and competition as it gives young engineers the opportunity to learn and be rewarded for their work and efforts. The event allows for “hackers” across the nation to come together, share ideas, and explore the endless possibilities that come with building a project.
# Sponsorship Tiers

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If you have any questions or wish to become a sponsor, please feel free to email us at ieeuerc@gmail.com.