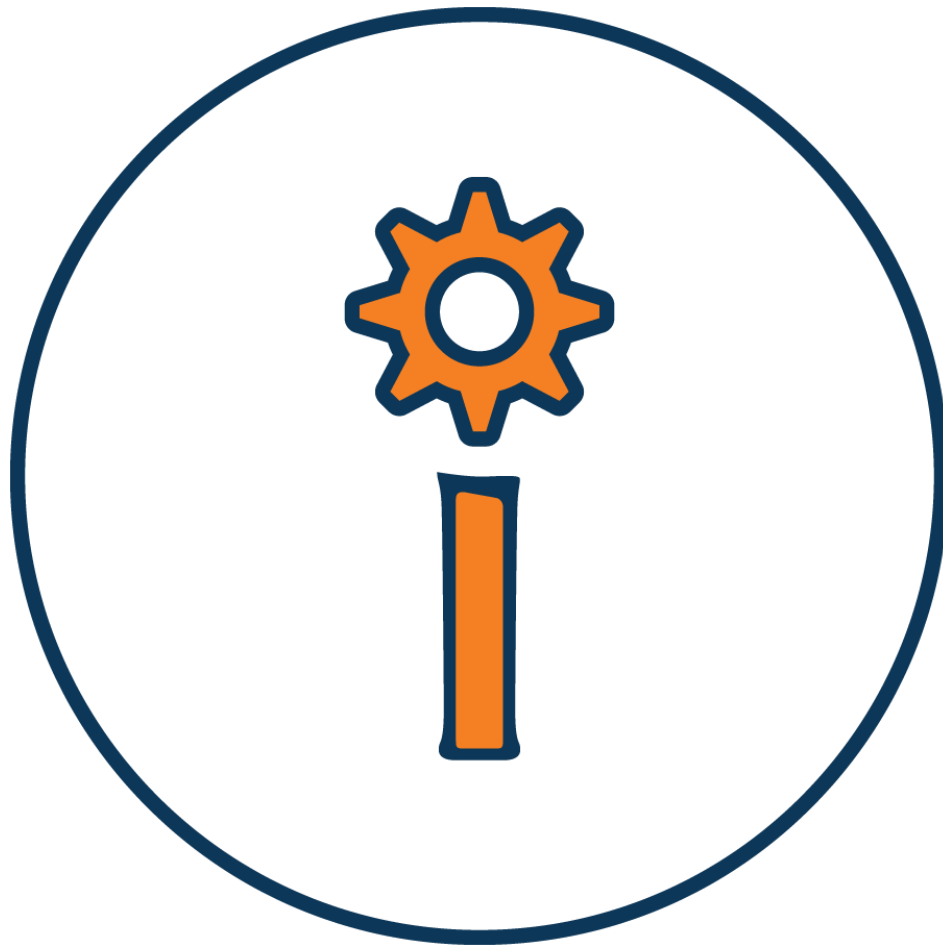


iROBOTICS



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Our Mission

Our mission is to provide an opportunity for engineers and hobbyists to practice a wide variety of engineering, teamwork, and leadership skills. We aim to also help them develop professional expertise and share their passion for robotics with the community in order to inspire further appreciation of technology.

About Us

- iRobotics is the largest robotics student organization on the University of Illinois Urbana-Champaign campus, with over 300 members primarily from Computer Science, Electrical Engineering, Computer Engineering, and Mechanical Engineering.
- iRobotics Corporate is a 501(c)(3) Nonprofit Organization.
- Our subteams compete in and host international and regional competitions throughout the course of the year.
- iRobotics is unique among the Illinois clubs because of our constant involvement in community outreach. Every year, our members mentor high-school and grade-school teams, judge and referee at local robotics competitions, and frequently give presentations about robotics and engineering to local schools. Additionally, we host a large outreach event called Robot Day that attracts hundreds of local students to learn about robotics and technology.

Check out our website for more information and photos!

<https://irobotics.illinois.edu/>

iROBOTICS

Competition Teams

iRobotics is a very diverse engineering organization, where we support 10+ teams every year to either compete in a competition or complete a given project. The competition teams that are currently included in the iRobotics organization are:

- Combat Robotics
- Design Print Destroy
- PacBots
- RoboSubs Competition Team
- Robotics Project Teams

Combat Robotics

Our four combat robotics teams work year-round to build 30lb robots to compete primarily in the Robobrawl competitions. Combat robotics mainly utilizes mechanical and electrical engineering throughout the design process. Each team has between 10 and 30 members. The teams use Autodesk Fusion 360, SOLIDWORKS, Onshape softwares.



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Design Print Destroy

Design Print Destroy allows for students to create their own one pound plastic battlebot for antweight competitions. Students can work individually or in groups to design, print, and assemble their own robot with the guidance of their peers.



Pacbots

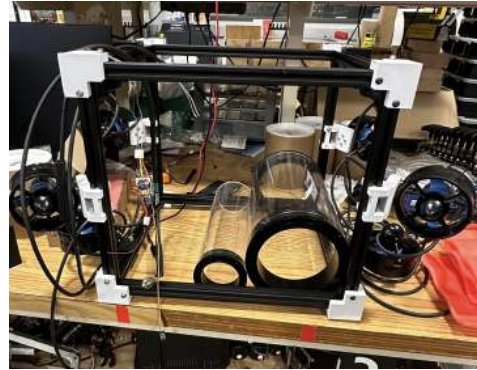
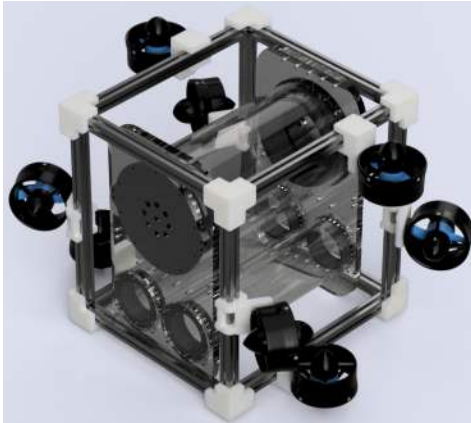
iRobotics PacBot builds autonomous robots that compete at Harvard University's PacBot competition each year; our team was the first to ever clear the competition board in 2023, when they earned 1st place. Our Pacbots members utilize a variety of computer science, computer engineering, and electrical engineering skills throughout the design process.



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RoboSubs

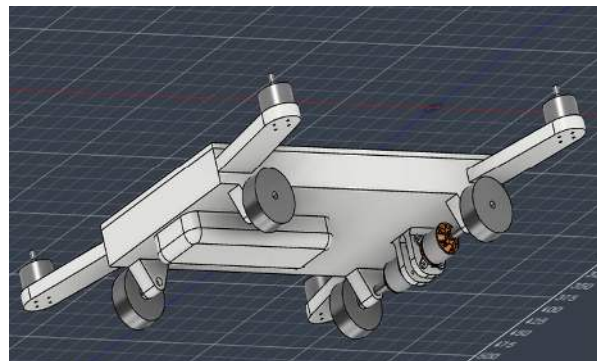
The newest addition to iRobotics is our Robosubs team. This team will compete yearly at the Robosub competition, which requires fully autonomous robots to complete tasks underwater. The team has spent the past two years simulating and prototyping and has begun their first full assembly.



Project Teams

iRobotics also contains numerous internal project teams that vary from year to year. At the beginning of every academic year, students have the opportunity to propose projects to iRobotics for funding. Some examples of our current and past projects include:

- Rover Project (TANKE)
- Land Air Drone



iROBOTICS

Events Hosted By iRobotics

ROBOBRAWL

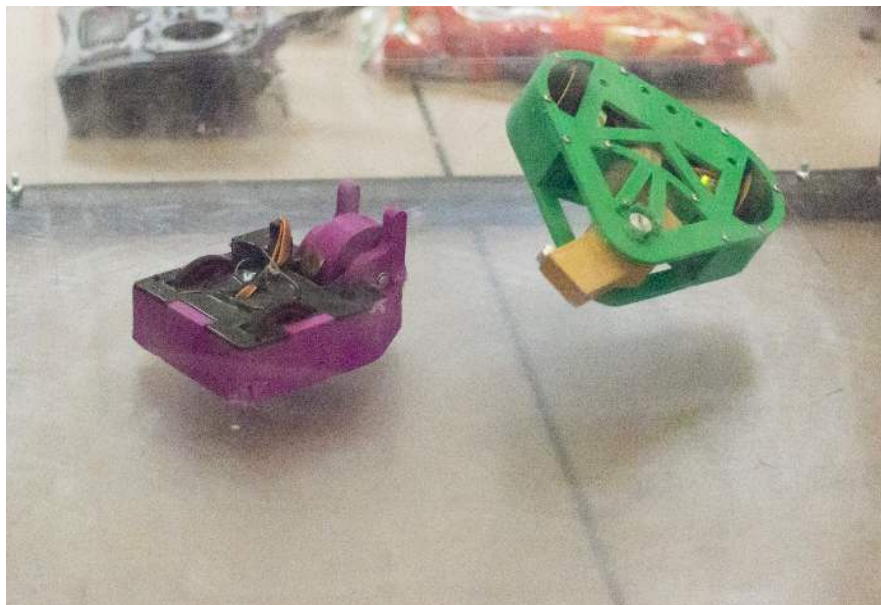
Robobrawl is an annual combat robotics event that takes place each year during the Engineering Open House on the University of Illinois campus, which attracts over 25,000 attendees each year. The event consists of a double elimination tournament over the two days of Engineering Open House where each team battles for dominance. The current format consists of 30-pound combat robots fighting in a 16' x 16' arena. We currently host upwards of 32 robots in our competition including, but not limited to, Undercutters, Horizontal and Vertical Spinners, Flippers, and other creative robot designs.



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Design.Print.Destroy! (DPD) is a combat robotics competition for one-pound, 3D-printed robots. Similar to its parent competition, Robobrawl, DPD has simpler rules and requirements to ensure competition safety, and the rest is up to the robot builders. The freedom and creativity of DPD allow many innovative and destructive robot designs, bringing to the table all different types of robots, from high-powered horizontal spinning robots, to designs that have soldering irons on the front to melt their way through the competition. The low-cost, beginner-friendly nature of DPD brings in people from all different majors and skill sets, as well as outside competitors. Our competition is held at each Robot Day -- an event filled with engineering resources and projects to inspire children, and Robobrawl. Even though Design.Print.Destroy! was originally started to educate University of Illinois' engineering students, it really has become so much more.



iROBOTICS

Robot Day

Robot day is an outreach event hosted each semester and aimed at inspiring children to pursue engineering. The central event is the Design. Print. Destroy! competition, although many different projects and organizations create displays and activities for students to learn from and enjoy. In the past, we've had robotic arms and 3D printers, as well as other clubs presenting their projects. In the 2022-2023 school year, our two Robot Days attracted more than 400 guests and 15 UIUC Student Organizations in total. This is our largest outreach event, and we hope to keep growing and inspiring the next generation of engineers.



Community Outreach

Community outreach is something that our organization takes very seriously. We look forward to showing the next generations of engineers what opportunities wait for them in the future. To do this, iRobotics members engage in:

- Demonstrations of projects and robots in grade school and high school classrooms
- Mentoring, judging, and refereeing for grade school and high school robotics teams and events
- Volunteering for the Illinois Science Olympiad State Tournament

Professional Development

Members are also strongly encouraged to:

- Attend General Meetings once a month, where they share monthly updates for each subteam, learn about upcoming events, and hear from our Platinum Sponsors
- Attend Tech Talks, in which our corporate sponsors present on a topic of their choosing and collect resumes.
- Submit their resume to our database which is made available to Platinum Sponsors
- Participate in resume reviews and mock interviews each semester to prepare for career fairs
- Build engineering skills through weekly hands-on workshops focusing on mechanical and electrical engineering as well as programming
- Connect with our large alumni base for advice, mentorship, and other networking

If you have any questions or are interested in being an iRobotics partner, please reach out to irobotics.illinois@gmail.com or to our Corporate Director at lauriej3@illinois.edu! The next page contains sponsorship packages and details.



iROBOTICS

Sponsorship Packages:

Robobrawl Flagship \$5000+	<ol style="list-style-type: none"> 1. All Platinum Benefits 2. Event Sponsor for annual Robobrawl Combat Robotics Competition at University of Illinois Urbana-Champaign 3. Featured with a booth and large banner at Robobrawl along with logo on livestream
Robot Day Flagship \$4000+	<ol style="list-style-type: none"> 1. All Platinum Benefits 2. Event Sponsor for Robot Day and Design. Print. Destroy! Competitions 3. Featured with a booth and large banner at Robot Day along with logo on livestream
Platinum \$3000+	<ol style="list-style-type: none"> 1. All Gold Benefits 2. Direct Recruitment Opportunities¹ 3. Invitation to all iRobotics events 4. Opportunity to host 2 technical workshops or other iRobotics events each school year
Gold \$2000+	<ol style="list-style-type: none"> 1. All Silver Benefits 2. Opportunity to give 2 Tech Talks² each school year 3. Indirect recruitment opportunities³ 4. Professional decals of company logo displayed on robots and on all iRobotics competition and subteam apparel, as well as any technical papers 5. Opportunity to host 1 technical workshop or other iRobotics event each school year
Silver \$1000+	<ol style="list-style-type: none"> 1. All Bronze Benefits 2. Opportunity to give 1 Tech Talk each school year 3. Invitation to Robot Day and student/alumni social event
Bronze \$500+	<ol style="list-style-type: none"> 1. Company logo displayed on all iRobotics affiliated websites 2. Opportunity to give branded swag to iRobotics members at events or meetings 3. Company mention in weekly iRobotics newsletter

¹ Direct Recruitment Opportunities:

- Access to iRobotics resume database with option to directly contact members
- Opportunity to come to a team meeting and work with/mentor members
- Opportunity to present job openings and meet active members at an iRobotics General Meeting

² Tech Talks:

- Companies can present on a topic/host of topics of their choosing to iRobotics active members and all UIUC ECE students, present job info, and collect resumes

³ Indirect Recruitment Opportunities:

- Opportunity to add short paragraph to weekly iRobotics Newsletter or General Meeting presentation
- Company mention in iRobotics Alumni Newsletter, which is sent to our large alumni database of over 1,000 graduates