



UNIVERSITY OF CALIFORNIA, BERKELEY

SPACE TECHNOLOGIES AT CAL



Berkeley
UNIVERSITY OF CALIFORNIA

CORPORATE SPONSORSHIP PACKAGE
2017-2018



Space Technologies at Cal (STAC) is building the technological infrastructure for the coming commercial space race ranging from laser communication for satellite cooperative communication networks to miniature spacecraft hardware for relativistic (20% of the speed of light) spaceflight to Alpha Centauri. This would transform the current flight time to Mars from months to less than a day.

We are not a typical engineering club that focuses on pursuing the same set competitions each year but rather pursue a variety of projects to make strides in space research and technologies. As a student group based at UC Berkeley but with partners at UC Santa Barbara and UC Davis, we provide our members with opportunities to apply their academic research to real-world aerospace engineering problems. These include a microgravity experiment payload to be launched aboard a Blue Origin Rocket in 2018 and a CubeSat deployer of penny-sized wafer satellites.

Corporate sponsors allow us to continue experimental launches for innovative space technologies and because we are part of a 501c3, all donations to STAC are tax-exempt. Each contribution places your company at the forefront of Berkeley's space technology development and is eligible for a range of sponsorship opportunities and rewards. These sponsorships not only benefit STAC but also increase your company's visibility at UC Berkeley. We will connect your company with the best and brightest engineering students in the world who are motivated to shape the coming age of space exploration with your company right by our side.

On behalf of the team members here at STAC, I would like to extend our appreciation and thanks for your interest in partnering with us! Please feel free to contact me if you have any questions or if you would like to partner with us. I look forward to working with you and we hope that you are as excited about space as we are!

Sincerely,

Malhar Patel

External Vice President and Software

malhar@stac.berkeley.edu

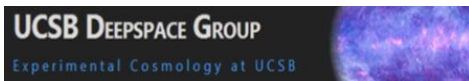


STAC MISSION STATEMENT

Science is pushed forward by those who question the status quo and actively experiment to break new ground. STAC is founded on this governing principle and is dedicated to making innovations in interstellar technology and research. With our multi-campus initiative across multiple schools, we are moving forward on the path to interstellar flight.

ABOUT US

Our members span a range of STEM disciplines from biology to computer science. Eighty percent of our members are in nationally recognized engineering honor societies such as Tau Beta Pi and Eta Kappa Nu or are part of the UC Berkeley Regents and Chancellor's Scholars Program. We are involved in a variety of top class research labs around Berkeley's campus ranging from Pieter Abbeel's robotics lab to the AUTOLab.



RESEARCH PROJECTS

CUBESAT DEPLOYER

- 3U CubeSat deployer of penny-sized PCB embedded spacecraft (PCBSat)

THE INTERSTELLAR MICROGRAVITY EXPERIMENT (TIME)

- Payload for four microgravity experiments:
 - Laser communications between PCBSats
 - Re-animation of *C. elegans* from suspended animation
 - Laser ablation of asteroid-like material
 - Robotic arm actuation

HIGH-ALTITUDE BALLOON

- Low-temperature and low-pressure test bed for laser communication and electronics

ASSORTED MICROGRAVITY EXPERIMENT

- Low-temperature and low-pressure test bed for laser communication and electronics



SPONSORSHIP PACKAGES

ALUMINUM (\$2500) - One high altitude balloon launch that enables 1-2 distinct research innovations

- Company featured on our Berkeley.edu webpage
- Company logo featured on any events run by STAC (hackathon, launch party, etc.)
- Resume Book: Access to our entire team's resumes
- Quarter-page company description in future events

SILVER (\$5000) - One new suborbital launch which enables 2-4 distinct research innovations

- Includes all Aluminum Perks
- 2 tickets for your company representatives at our exclusive Launch Party
- Company logo on the first space-borne payload launched by UC Berkeley
- Personal internal recruiting event at Berkeley
- Half-page company description in future events

STEEL (\$10000) - First Berkeley cubesat launch to lead ongoing research in small-scale spacecrafts

- Includes all Silver Perks
- 4 tickets for your company representatives at our exclusive Launch Party
- Personal external recruiting event at Berkeley
- Priority for space panel / tech talks on campus
- Full-page company description in future events

PLATINUM (\$20000) - Enables all of our previous projects resulting in 10+ research papers all by undergrads

- Includes all Steel Perks
- Company representative is the keynote speaker for our Launch Party (as available)
- 8 tickets for your company representatives at our exclusive Launch Party
- Distinction on all forms of publicity
- Distinguished company logo on the first space-borne payload launched by UC Berkeley

*All Launch Party sponsors will be featured on our website for 1 calendar year

** See next page for event information



PACKAGE EVENTS

TECH TALKS

Host a tech talk to draw top engineering students to your company and promote full-time and internship positions. Inform students about your company's vision and the innovative technologies you are developing as part of your mission. We will reserve a room on campus, provide necessary equipment (projector, microphone, etc.), and arrange for food during your event – all you need to do is choose a date and time for the talk!

WORKSHOPS

Host a workshop to connect with students in an educational, innovative, and interactive setting. The workshop can focus on any topic of your choice. Some examples of workshop ideas could include "How to Use a Microcontroller" or "Interfacing Space Hardware with GPS". We will reserve a room on campus, provide necessary equipment (projector, microphone, etc.), and arrange for food during your event – all you need to do is choose a date and time for the talk! Your company logo will also be displayed on our website as a sponsor for the entire school year.

HACKATHON

If your company is interested in sponsoring a hackathon/makeathon in Fall 2017 or Spring 2018 targeted towards innovative aerospace ideas, technologies, and research then we will host one for you on Berkeley's campus. During the hackathon, you will be able to promote your company, sponsor a hackathon competition, network with students, host a workshop, and participate on a panel. You will also receive a table and space to advertise your company for the entire duration of the hackathon/makeathon and your company logo will be displayed on our website as a sponsor for the entire school year.

LAUNCH PARTY – 2018

STAC is launching a payload aboard a Blue Origin rocket in 2018. The Interstellar Microgravity Experiment (TIME) will run four different experiments in a microgravity environment and collect invaluable data for future advances in interstellar travel. Our Launch Party is an exclusive setting for you to meet the team at STAC and advertise your company as well as a way for us to thank our sponsors for their invaluable support.

INDUSTRY RESEARCH PROJECTS

STAC would love to collaborate with your company about researching critical issues that your company may not have time to explore but would like to understand. Example projects include (but are not limited to): space hardware testbeds, astrobiology experiments, software, or designing and building prototype space hardware to meet your needs. As we are a student organization, we have distinct separation from UC, so all IP we develop is your company's property.