The GRASP Laboratory at the University of Pennsylvania is proud to be operating a Research Experience for Undergraduates (REU) Site entitled Perception, Planning, Mobility, and Interaction for Next Generation Robotics. This REU Site opened in 2012 and is funded by the National Science Foundation (NSF).

Our program will give ten motivated engineering and computer science students significant experience in cutting-edge robotics research. Each student will work with a GRASP faculty member and a post-doctoral or graduate student mentor on a current research project in robotics. Projects will span the range of topics being researched in the GRASP Lab and will be fine-tuned to match the interests and backgrounds of the selected students. Here is a representative list of research topics available in this REU Site:

- Machine Perception
- Motion Planning
- Flying Robots
- Haptic Interfaces
- Dynamics and Control
- Humanoid Robots
- Robotic Surgery
- Robot Design

Program Specifics

- **Stipend** Each student will be paid a stipend of $5,000 for the 10-week program.
- **Dates** The program will probably run from May 31 through August 11, 2013, (exact dates not yet set).
- **Travel** Each student will be able to request up to $750 in reimbursement for travel to and from Philadelphia for the program or to a conference to present their research.
- **Housing** Each student enrolled in the program will be housed free of charge on the campus of the University of Pennsylvania. The provided housing is within walking distance of the GRASP Lab.
- **Research Competition** A prize of $250 will be awarded to the best REU research presentation, judged by experts in a public research symposium.
- **Activities** The entire GRASP REU class will be supported by experienced Penn faculty and staff. The Site has a social program component, as well as planned visits to local robotics research facilities.

We welcome applications from US citizens and permanent residents. We are particularly interested in applicants from groups that are traditionally underrepresented in science, technology, engineering, and mathematics (low-income, ethnic and racial minorities, first generation college students, and women).

**Interested? Submit an application online!** The Penn GRASP REU Site application will be available at the following website by early February, 2013, and admissions will be done on a rolling basis.

[http://reu.grasp.upenn.edu](http://reu.grasp.upenn.edu)

**Questions?** Contact Professor Katherine Kuchenbecker at kuchenbe@seas.upenn.edu or Professor Max Mintz at mintz@cis.upenn.edu

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