

# CRA-W Opportunities for Undergraduates in

## COMPUTER SCIENCE &

## COMPUTER ENGINEERING

### Distributed Mentoring Project (DMP)

The objective of the DMP is to increase the number of women and minorities entering graduate studies in computer science and computing engineering (CS&CE) by providing research experiences and opportunities to observe graduate school life. This highly selective program matches promising undergraduates with a faculty mentor for a summer research experience at the faculty member's home institution. Students are directly involved in a research project and interact with graduate students and professors on a daily basis. The student's stipend is intended to cover 10 weeks of summer research including housing costs, and relocation travel assistance is provided when appropriate. Additional funds may be available to support student conference travel, continued interaction between the student and mentor, and outreach activities promoting the DMP. This experience is invaluable for students who are considering graduate school, providing them with a close-up view of what graduate school is really like and also increasing their competitiveness as an applicant for graduate admissions and fellowships. Student and mentors apply individually to DMP. Application deadline is typically in February. More information is available at [www.cra.org/Activities/craw/dmp/](http://www.cra.org/Activities/craw/dmp/), which includes student web sites from past participants.

### Collaborative Research Experiences for Undergraduates (CREU)

This program provides undergraduates an opportunity to participate in a research project, working with a faculty member and a team of undergraduates at the student's home institution during the academic year. The goal of this project is to increase the number of women and minorities who continue on to graduate school in CS&CE. Each student is provided a stipend. In selected cases, projects may continue over the summer or into the following academic year. Multi-disciplinary projects that involve students and faculty from computing and non-computing fields are also encouraged. Each project may also request funds to be used for special equipment, travel to conferences, or supporting materials. The team submits a joint proposal. Application deadline is typically in May. For more information, see [www.cra.org/Activities/craw/creu/](http://www.cra.org/Activities/craw/creu/).

### Distinguished Lecture Series (DLS)

The DLS program sends faculty and industry researchers to campuses to encourage women and minorities to attend graduate school. The visits include technical talks as well as a variety of "recruiting" events, such as lunches or meetings with female and minority undergraduate and/or graduates students, panel discussions about graduate school, and meetings with faculty interested in recruiting/retention. In some instances, the speaker may bring a graduate student to speak to the students. Programs that encourage participation from surrounding academic institutions, including community colleges, are encouraged, and some travel funds are available to support such efforts. In addition, multiple events, over the course of a year or two, are also welcome. Programs that have a plan for sustained continuation are given priority. Applications are accepted on an ongoing basis. For more information, see [www.cra.org/Activities/craw/projects/dist\\_lect.php](http://www.cra.org/Activities/craw/projects/dist_lect.php). Individuals interested in hosting such an event are encouraged to contact the program directors at [dls@cra.org](mailto:dls@cra.org).

### Discipline-Specific Mentoring Workshops (DSMW)

The goal of these discipline-specific mentoring workshops is to increase participation of members of underrepresented groups within a specific research area. The workshop provides career mentoring advice and discipline-specific overviews of past accomplishments and future research directions. The workshops focus on helping young researchers at the undergraduate, graduate, or post-graduate level become interested in and knowledgeable about the research and research paradigms of a specific discipline. The DSMW program also enables researchers within a particular subfield to develop collaborations and mentoring relationships. Prospective workshop organizers are requested to submit a proposal at least 9 months prior to the proposed workshop date. Programs that have a plan for sustained continuation by the research community are given priority. The deadline for proposals is biannually in January and June. For more information, see [www.cra.org/Activities/craw/cdc/](http://www.cra.org/Activities/craw/cdc/).

## ABOUT CRA-W

The Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W) is an organization dedicated to increasing the number and success of women contributing to computer science and computing engineering research from undergraduate students through senior leadership roles. There is a critical need to develop a talent pool for innovation and discovery in the computing and information technology areas. Currently, women are an underutilized source of creativity in computing disciplines. CRA-W has a nationally recognized track record of success, having received a Public Service Award from the National Science Board in 2005 and the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring in 2003.

A special thanks to all the sponsors and members that support the CRA-W. Without their generous support these programs would not be possible. Current contributors include: The National Science Foundation, Google, Microsoft Research, The Henry Luce Foundation, Usenix, General Motors-Canada, NSERC, Intel, IBM, Hewlett-Packard, Sun, and ACM Special Interests Groups.

All of the programs described above are collaborative programs with the Committee on Diversity in Computing (CDC). Information about CDC is available at: [www.cdc-computing.org/](http://www.cdc-computing.org/).

<http://www.cra.org/Activities/craw/>

