About CDC

Major progress in computing over the last decade has been accompanied by vast improvements in software tools, computing middleware, hardware and networking. A consequence of these advancements has been a shortage of highly trained scientists and engineers who can understand and improve the state of the art. CDC seeks to address the shortfall through the development and nurturing of a diverse community of professionals and scientists who can effectively meet the computing demands of our evolving society. CDC projects target students and faculty with the expressed intent of increasing the number of minorities successfully transitioning into computing-based careers in academia, federal laboratories and industry. Additional projects seek to increase the available pool of faculty members through partnerships and mentoring. Current emphasis is placed on the following three areas:

1. Recruitment of minority undergraduates to MS/PhD. programs
2. Retention of minority graduate students enrolled in MS/PhD. programs
3. Transition of minority MS/PhD. graduates into academia and industry

The diverse membership of CDC from academia, industry and federal laboratories enables a variety of different perspectives and approaches to be used in achieving the above stated goals. CDC also partners with a number of organizations with similar missions to leverage resources to optimize outcomes.

For more information, visit us on the web at:
http://cdc-computing.org/

Some of Our Projects

Richard Tapia Celebration of Diversity in Computing Conference

The Tapia Conference is aimed at providing a supportive networking environment for under-represented groups across the broad range of computing and information technology.

Upcoming Conference:

April 3-5, 2011

Fairmont Hotel, San Francisco, CA

http://tapiaconference.org

Collaborative Research Experiences for Undergraduates (CREU)*

CREU is designed to provide positive research experiences for teams of undergraduates who will work during the academic year and optionally the following summer at their home institutions. The goal is to increase the numbers of students from underrepresented groups who continue on to graduate school in computer science and engineering and allied disciplines.

Upcoming Deadline:

May 2011 for 2011-2012 Projects

http://www.cra-w.org/creu/

Distributed Research Experiences for Undergraduates (DREU)*

DREU is designed to increase the number of women and underrepresented groups entering graduate studies in the fields of computer science and engineering. This highly selective program matches promising undergraduates from underrepresented groups with a faculty mentor for a summer research experience at the faculty member's home institution.

Upcoming Deadline:

February 2012 for Summer 2012 Projects

http://www.cra-w.org/dreu/

* programs in collaboration with CRA-W

Sending Students and Mentors to Technical Conferences

This program gives travel support to underrepresented students and when eligible, to their mentors, to participate attend technical conferences.

Always opened, for information visit:

http://www.cdc-computing.org/students-to-conferences/

NSF-Sponsored Academic Workshop

These workshops provide unique, tailored experiences for Underrepresented Assistant & Associate Professors, and Senior Doctoral Students, including discussions and panels on requirements for tenure and grant proposal writing, leadership, mentoring, and other topics.

For upcoming deadlines, visit:

http://cdc-computing.org/academic-workshop/

Discipline-Specific Mentoring Workshops*

This program provides funding to organize workshops that enable researchers within a particular subfield to develop collaborations and mentoring relationships with other underrepresented researchers. Funding is provided for workshop organizers to host a workshop at their institution as well as for most participants to attend the workshop.

Proposals due twice a year, June and January

http://www.cdc-computing.org/dsw/

Distinguished Lecture Series (DLS)*

This program brings prominent faculty and industry researchers to campuses to encourage women and minorities to attend graduate school. The visits include a technical talk(s) by the researchers as well as a variety of "recruiting" events such as panel discussions with the visiting researchers and graduate students.

Accepting proposals now to host DLS

http://www.cra-w.org/dls/