

Widening the Research Pipeline



www.cra-w.org
www.cdc-computing.org



The Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W) and the ACM/CRA/IEEE-CS Coalition to Diversify Computing (CDC) are working together in a BPC alliance to increase the participation of women and minorities in computing research. The focus of this project is to address all aspects of the NSF CISE research pipeline from undergraduate students to senior faculty.

Discipline-specific Workshops (DSW)

Workshops provide mentoring support and help build communities of researchers from underrepresented groups within specific research areas.

Co-chairs: Professors Margaret Martonosi and Juan Gilbert.

This year's workshops:



2009 Careers in High Performance Systems (CHIPS) Mentoring Workshop

January, 2009: CRA-W/CDC Programming Languages, Operating Systems and Architecture Workshop

March, 2009: Workshop on Pervasive Computing

July 2009: CRA-W/CDC Careers in High Performance Systems (CHIPS) Mentoring Workshop

October, 2009: SOSP Diversity Workshop 2009

November, 2009: CRA-W/CDC day preceding 19th Annual Fall Workshop on Computational Geometry

Distinguished Lecture Series (DLS)

DLS provides senior role models for students from underrepresented groups. It now focuses on institutions without a large number of research, women, or minority faculty, including an increasing emphasis on HBCUs and MSIs.

Co-chairs: Professor Nancy Amato and Dr. Dilma da Silva.

This year's events:

Missouri Univ. of Science and Tech.,
January 23, 2009
Ramon Caceres (AT&T Labs) and
Tracy Camp (Colorado School of Mines).

Dalhousie University,
March 10-11, 2009.
Valentina Salapura (IBM Research) and
Ellen Zegura (Georgia Tech).

Georgia Southwestern State University,
April 3, 2009.
M. Brian Blake (Georgetown Univ.) and
Catherine Zhang (IBM Research).

University of New Mexico,
April 9-10, 2009.
Cecilia Aragon (LBNL) and Carlos Guestrin (CMU)

Midwest Women in Computing (MidWIC) Conference at Saint Xavier University, October 9-10, 2009.
Justine Cassell (Northwestern University) and Yolanda Rankin (IBM Research).

Polytechnic University of Puerto Rico, December 5, 2009, Annie Anton (NCSU) and Jose Castanos (BM Research)



DLS speaker Brian Blake at Georgia Southwestern State University in April 09

Collaborative Research Experiences for Undergraduates (CREU)

CREU is a program that provides research mentoring for small teams of students at the students' home institution during the academic year.

The 16 teams selected for the 2009-2010 AY include 47 students from underrepresented groups.

Co-chairs: Professors Andrea Danyluk and Manuel A. Pérez-Quiñones.

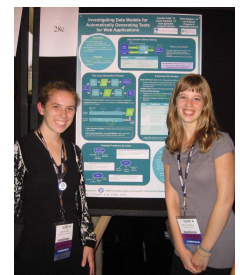
Distributed Research Experiences for Undergraduates (DREU)

DREU pairs each undergraduate student with a research faculty mentor to pursue an in-depth summer research project at the faculty member's institution.

For summer 2009, 76 mentees from 62 institutions were matched with 46 mentors – up 100% from 2008

Applications are now being accepted for summer 2010.

Co-chairs: Professors Nancy Amato, Tracy Camp, and Maria Gini.



Camille Cobb, Washington and Lee University, and Kathryn Baldwin, University of Delaware presenting at Poster Session at Grace Hopper 09

Work with Us!

Please consider volunteering to be a DREU or CREU mentor, hosting a DLS, or helping organize a DSW.

We also invite inter-alliance collaboration on developing mentoring programs targeting a particular underrepresented group or geographical area, focusing on research careers and discussing issues most pertinent to that group. For example, in 2009 we worked with the STARS Alliance to have a day of mentoring at their annual gathering in August.

To discuss opportunities for working together, please talk to any of the CRA-W/CDC Alliance members who are attending the BPC PI meeting:

Program Evaluation

Aligning our evaluation with the BPC Common Core Indicators, we assess how well we: 1) increase participation, 2) build organizational capacity and 2) develop alliances.

Nancy Amato
Betsy Bizot
Carla Brodley

Tracy Camp
Dilma da Silva
Ron Eglash

Maria Gini
Lori Pollock
Carla Romero