



2009 Annual Report

Message from the Board Chair

I am very pleased to report that CRA had a very productive year in 2008-09. Significant progress was made on several new major projects and CRA continued to extend its reach and influence on behalf of computing research. The number of people actively engaged in CRA's activities continues to grow, and its financial position remains stable and secure.

The Computing Community Consortium (**CCC**) had a very active year, highlighted by the "*Computing Research that Changed the World: Reflections and Perspectives*" symposium at the Library of Congress on March 25. Under CCC's direction, the Computing Innovation Fellows (CIFellows) project was conceived, developed, submitted, and funded in record time. The CCC and the Government Affairs Committee (GAC), via some prominent members, were positioned to positively influence the Obama transition team as it prepared to take over the reins of the new Administration in January 2009. Through their efforts, sixteen 'White Papers' were compiled in record time by a variety of researchers covering a number of research initiatives to make the case for including science in any first step the Administration took. Four new CCC "visioning groups" were formed, and major progress was made by certain previously chartered CCC groups (such as Robotics, which generated a research "roadmap" and held a briefing for the Congressional Robotics Caucus). Visioning workshops were the prime means of working towards the first CCC goals, in addition to its website (blog postings, computing research highlights), articles, and presentations.

In 2008-09, CRA's Women's Committee (**CRA-W**) coordinated a range of popular mentoring programs and workshops designed to increase the representation and opportunities for women in computing research. CRA-W and the Coalition to Diversify Computing (CDC) have partnered to expand several programs to include underrepresented minorities as well as women. Active CRA-W projects include: the Distributed Research Experience for Undergraduates (**DREU**) (US and Canada); the Collaborative Research Experiences for Undergraduates (**CREU**); and **six Discipline-Specific Workshops** designed to increase the participation of members of underrepresented groups within a specific research area. In addition, CRA-W's **Grad Cohort Program** brought together 234 women graduate students in their first, second, or third year of graduate school for a two-day workshop on graduate school survival, career planning, and networking.

CRA-W organized a **Career Mentoring Workshop** on teaching in March 2009 that attracted 26 participants and five speakers; and a Cohort of Advanced Professionals Project (**CAPP**) workshop designed to increase the percentage of CS&E women faculty members and researchers who reach the top of their career tracks. In its **Distinguished Lecture Series**, faculty and lab researchers visited campuses to encourage women and minorities to attend graduate school. CRA-W also revamped its website, published regular pipeline articles in *Computing Research News*; and developed an evaluation team to develop a more formalized process to better manage CRA-W's various evaluation efforts.

CRA conducted its 38th annual **Taulbee Survey** of Ph.D.-granting CS&CE departments. The Government Affairs and Communications Committees worked together on a successful PR campaign to mark the release of the report.

In the policy area, CRA's **Government Affairs Committee** (GAC), working both as a member of the science advocacy community and on its own as the organization of record in computing research, was involved in the development of the stimulus bill from the earliest stages and helped rally support for science provisions in the bill. During the year, the GAC and its staff worked on a number of activities to raise CRA's profile, including helping with the "Computing Research that Changed the World: Reflections and Perspectives" symposium and associated events held in the "Members' Room" of the Library of Congress on March 25; and hosting/co-hosting congressional briefings on computing-related topics. CRA provided advice and input on computing issues requested by policymakers, the science community and the press, and assisted Board members and others who were asked to testify before congressional committees about computing issues.

GAC's popular **Computing Research Policy Blog** (<http://www.cra.org/govaffairs/blog>) provided postings on current activities in the policy arena. Those who joined CRA's **Computing Research Advocacy Network** received timely information about key advocacy opportunities—providing summary and background information, recommended actions, talking points, and contact information—to enable them to speak out on behalf of computing research. Both Board members and staff regularly responded to requests from journalists, researchers, educators, and others for statistical information on CS and CE enrollments. CRA provided current items of interest to chairs of U.S. and Canadian Ph.D.-granting CS&CE departments and the larger computing research community through its newsletter, *Computing Research News*, and via regular e-mail communications to department chairs and lab directors. CRA-W produced a biannual newsletter that was circulated widely to its alumni.

Early in 2008, CRA's newly formed Education Committee (**CRA-E**) began to address its charter—to make specific recommendations to improve educational programs to better prepare graduates to make innovative contributions to industry, academia, and government. The committee is focusing on educational content as well as on pedagogical methods and tools in the educational process, and it plans to produce, at a minimum, a White Paper and an extensive resource base.

The **Coalition to Diversify Computing (CDC)**, a joint organization of the ACM, CRA and IEEE-CS, organized the Richard Tapia Celebration of Diversity in Computing Conference in April. It was sponsored by ACM in cooperation with CRA and IEEE-CS. The conference attracted nearly 400 attendees from academia, industry, and government, including 249 students and 73 faculty members representing 101 universities and colleges. The CDC's Academic Workshop for Underrepresented Junior Faculty was held in conjunction with the Tapia Conference. The leadership of CDC and CRA-W has continued the process of streamlining and merging the mentoring projects, as well as developing a set of guidelines for developing and seeking funding for joint projects.

CRA hosted the annual **Computing Leadership Summit** for presidents, executive directors, and other senior leadership of CRA, its five affiliate societies (AAAI, ACM, CACS/AIC, IEEE-Computer Society, SIAM, and USENIX), and NRC's Computer Science and Telecommunications Board. The fifteenth Summit was held February 23, 2009, in Washington, DC.

CRA was pleased to present its **Distinguished Service Award 2009** to **Eugene Spafford**, Professor of Computer Sciences and Executive Director of CERIAS at Purdue University, for his contributions as an effective and tireless advocate for the cause of information security research.

The Board of Directors **welcomed new members in 2008-09**: Mary Fernández, (ACM), Susanne Hambrusch (Purdue), Jeff Hollingsworth (University of Maryland), Rangachar Kasturi (IEEE-CS), Jim Kurose (University of Massachusetts), Rob Schreiber (SIAM), and Valerie Taylor (Texas A&M). Board members whose **terms ended** in 2008-09 include: Peter Honeyman (USENIX), Dan Reed (Microsoft Research), Jennifer Rexford (ACM), Bobby Schnabel (SIAM), Marc Snir (Illinois at Urbana-Champaign),

Bob Sproull (Sun Microsystems), Moshe Vardi (Rice University), Jeff Vitter (Texas A&M), Ben Wah (IEEE-CS), and Bryant York (Portland State). We thank them all for their dedicated service to CRA and to the computing research community. As always, we are grateful to the many people who contribute to CRA by serving as chairs and members of its various committees.

The success of any organization is defined by the enthusiasm and active participation of its members and volunteers. By that standard, CRA is a vibrant and thriving organization, committed to advancing aspects of computing research. This report is a vignette of the diverse activities of CRA and its members. On behalf of the CRA Board, thank you for all you do to make CRA the success that it is today.

Finally, on a personal note, as my own term as CRA Board Chair comes to an end, I would like to extend a heartfelt thank you to the CRA staff, the CRA Board, and our many volunteers for their help and support. It has been my pleasure and privilege to be a part of something special.

Daniel A. Reed
Board Chair

Attachments:

2008-09 Highlights by Mission Area

- Research Policy
- Information Activities
- Human Resources
- Community Building

CRA Members

CRA Board of Directors and Staff

CRA Financial Statement 2008-09

HIGHLIGHTS 2008-09 BY MISSION AREA

Research Policy

The enactment of the American Recovery and Reinvestment Act of 2009 was the single most important legislative achievement relating to science policy since the America COMPETES Act of August 2007. CRA's Government Affairs Committee (GAC), working both as a member of the science advocacy community and on its own as the organization of record in computing research, found itself involved in the development of the stimulus bill from the earliest stages and helped rally support for science provisions in the bill.

The election of Barack Obama as President and the increased majority for Democrats in both chambers of Congress completely changed the dynamic for science funding in Washington. The GAC and the Computing Community Consortium (CCC), via some prominent members, were positioned to positively influence the Obama transition team as it prepared to take over the reins of the new Administration in January 2009. Through the efforts of GAC and CCC, sixteen 'White Papers' were compiled in record time by a variety of researchers covering a number of research initiatives to make the case for including science in any first step the Administration took.

During the year, the GAC and its staff worked on a number of activities to raise CRA's profile, including: CCC's hosting of the "Computing Research that Changed the World: Reflections and Perspectives" symposium and associated events held in the "Members' Room" of the Library of Congress on March 25; coordinating with CRA's Communications Committee on a PR campaign to mark the release of CRA's 2007-08 Taulbee Survey Report; and hosting/co-hosting congressional briefings on computing-related topics. CRA provided advice and input on computing issues requested by policymakers, the science community and the press, and assisted Board members and others who were asked to testify before congressional committees about computing issues.

CRA again contributed its analysis of computing research funding in the federal budget to the annual review published by AAAS. CRA's Director of Government Affairs continued to field informal inquiries from congressional staff and agency personnel on a range of issues related to computing research, including questions from Senate and House staffers about NSF's cyber physical systems programs, the federal government's cyber security efforts, and high performance computing.

CRA also was asked to testify on behalf of the computing research community at a hearing to reauthorize the NITRD Act and enact some of the recommendations of the President's Council of Advisors on Science and Technology (PCAST). CRA's Chair of the Government Affairs Committee produced testimony with input from many GAC members that ultimately bore CRA's endorsement.

CRA partnered with ACM's Ed Policy committee to conduct a congressional luncheon briefing in May that focused on the challenges and successes of computer science education at the K-12 level. Other sponsors included Microsoft, NCWIT, the National Society of Women Engineering, IEEE-USA, and the Computer Science Teachers Association. The event was co-hosted by the Congressional STEM Education Caucus and the Congressional Black Caucus.

The Congressional Robotics Caucus, of which CRA is a member of the steering committee, held a congressional briefing to announce the outcome of the CCC-sponsored effort of the

robotics community to identify a “National Robotics Technology Roadmap” and make recommendations to Congress to improve robotics research in the U.S. CRA co-sponsored the briefing.

In June, at the request of the House S&T committee, CRA Board member Fred Schneider, Professor of Computer Science at Cornell, provided expert testimony on the state of federal cyber security research and development for the first of three hearings the committee planned to hold on the topic.

Information Activities

A reinvigorated CRA Communications Committee successfully completed a long-planned media campaign to accompany the release of the student enrollment numbers from the 2007-08 *CRA Taulbee Survey*. A well-developed communications plan for disseminating the results included crafting an accurate set of messages derived from the data, reaching out to the appropriate media for spreading the story, and providing those media outlets with the appropriate resources to write those stories. In March, *The New York Times* wrote a solid, on-message piece that appeared the day of the official rollout, a large number of influential media outlets covered the release, and the story received a lot of “buzz” online on the social networks. The message seemed to resonate well with the general media and with the tech press as well, and CRA considers this year’s approach to the Taulbee release as a model for future releases.

The popular Computing Research Policy Blog provided postings on current activities in the policy arena. Those who join CRA’s Computing Research Advocacy Network (an electronic mailing list that delivers timely information about key advocacy opportunities, provides summary and background information, recommended actions, talking points, and contact information) are provided the opportunity to speak out on behalf of computing research.

Current items of interest to chairs of U.S. and Canadian Ph.D.-granting CS&CE departments and the larger computing research community are provided by CRA’s newsletter, *Computing Research News*, and via regular e-mail communications to department chairs and lab directors. CRA-W produced a biannual newsletter that was circulated widely to CRA-W alumni.

Human Resources

In 2008-09, CRA’s Women’s Committee (CRA-W) coordinated a range of popular mentoring programs and workshops designed to increase the representation and opportunities for women in computing research.

The Distributed Research Experience for Undergraduates (DREU) (US and Canada) project continues to be one of CRA-W’s most visible and well-known programs. DREU pairs each accepted undergraduate student with a research faculty mentor to pursue an in-depth summer research project at the faculty member’s institution. Since 2008, CRA-W and the Coalition to Diversify Computing (CDC) have partnered to expand this program to include underrepresented minorities as well as women. In 2009, DREU received a record number of applications (468), and 74 students were matched with 48 mentors. The students and mentors were much more diverse than in previous years.

The Collaborative Research Experiences for Undergraduates (CREU), also led jointly by CRA-W and CDC, provides research mentoring for small teams of students at the students’ home institution during the academic year. Teams are composed of students from underrepresented groups in computing, and the selection committee is composed of CRA-W and CDC members.

Designed to increase the participation of members of underrepresented groups within a specific research area, six Discipline-Specific Workshops were conducted to provide career-mentoring advice and overviews of past accomplishments and future research directions. CRA-W and CDC collaborated on these workshops. CRA-W's Grad Cohort Program brought together women graduate students in their first, second, or third year of graduate school for a two-day workshop on graduate school survival, career planning, and networking. With support from Google, Microsoft, and a private foundation, 234 students were able to attend.

A Career Mentoring Workshop on teaching in March 2009 attracted 26 participants and five speakers. In late 2008, CRA-W conducted a Cohort of Advanced Professionals Project (CAPP) workshop. These are designed to increase the percentage of CS&E women faculty members and researchers who reach the top of their career tracks and build a cohort of senior women in academia and industry who can provide each other with an information network and mutual support. In its Distinguished Lecture Series, CRA-W sent faculty and lab researchers to campuses to encourage women and minorities to attend graduate school.

Other CRA-W projects in 2008-09 included: a complete revamping of the CRA-W website, adding a face book page; *Pipeline* articles published regularly in *Computing Research News*; revised *mailing lists* to ensure that the stages of the pipeline were being covered adequately; and an *evaluation team* that is developing a more formalized process to better manage CRA-W's various evaluation efforts.

The **Coalition to Diversify Computing (CDC)** is a joint organization of the ACM, CRA and IEEE-CS. Organized by the CDC, the Richard Tapia Celebration of Diversity in Computing Conference in April, sponsored by ACM and in cooperation with CRA and IEEE-CS, attracted nearly 400 attendees from academia, industry, and government, including 249 students and 73 faculty members representing 101 universities and colleges. Additionally, more than 20 companies and research institutions supported the conference. Industry, academic, and government supporters provided scholarships to 141 students.

The CDC Academic Workshop for Underrepresented Junior Faculty was held in conjunction with the Tapia Conference on April 4-5, 2009. The workshop received 120 applications for this workshop, the largest to date. Of the 120, 45 attendees were selected from underrepresented ethnic groups. The workshop included panelists who provided diverse perspectives on a variety of topics.

The leadership of CDC and CRA-W has continued the process of streamlining and merging the mentoring projects, as well as developing a set of guidelines for developing and seeking funding for joint projects. The Distributed Research Experiences for Undergraduates (DREU, formerly the DMP) is a highly selective program that matches promising undergraduates with a faculty mentor for a summer research experience at the faculty member's home institution. Seventy-five students and 54 mentors were selected to participate in the 2009 summer program.

The seed of a new CRA project, Computing Innovation Fellows (**CIFellows**), emerged early in 2009 from a brief discussion at the February Board meeting, developed very quickly, and resulted in a four-year project funded by NSF on May 15. Overseen by the CCC, the CIFellows Project offers an opportunity for recent Ph.D. graduates in computer science and closely related fields to obtain one- to two-year postdoctoral positions at universities, industrial research laboratories, and other organizations that advance the field of computing and its positive impact on society. The goals of the project are to retain new Ph.D.s in research and teaching and to support intellectual renewal and diversity in the computing fields at U.S. organizations. Sixty

Fellows were selected in July 2009. Using survey data, the impact the program had on the Fellows' careers will be tracked for four years and compared with others with similar backgrounds. CCC's goal is to envision new possibilities with this project and help them come to fruition.

Early in 2008, CRA's newly formed Education Committee (**CRA-E**) began to address its charter—to make specific recommendations to improve educational programs to better prepare graduates to make innovative contributions to industry, academia, and government. The committee's focus is on educational content as well as on pedagogical methods and tools in the educational process. The term 'computing and information disciplines' includes computer and computational science, computer engineering, informatics and information science, computational mathematics, and a wide range of emerging application areas. The immediate audience covers university and college faculty; school chairs, deans, and provosts; and government policy-makers and funding agencies. Discussions have taken place with ACM and others to clarify that the CRA committee will focus on a different audience than other education efforts currently under way. The committee plans to produce, at a minimum, a White Paper and an extensive resource base.

During the year, CRA presented Outstanding Undergraduate Researcher Awards to winners Raluca Ada Popa (MIT) and Tal Rusak (Cornell). Runners-Up were Erin Carson (University of Virginia) and Arthur Mahoney (Utah State University). In addition, twelve students were selected as Finalists and a number received Honorable Mentions. The student awards, given for outstanding research potential, were sponsored this year by Microsoft Research.

Community-Building

In 2008-09, the Computing Community Consortium (**CCC**), in the second year of its funding from NSF, had a very productive year. The highlight was the March 25th "**Computing Research that Changed the World: Reflections and Perspectives**" symposium at the Library of Congress. The CI Fellows project was conceived, developed, submitted and funded in record time. Under CCC's direction, seventeen position papers were developed and provided to the incoming Administration in very short order with apparent impact. Four new visioning groups were formed and there was major progress by certain previously chartered CCC groups (such as Robotics, which has generated a research roadmap and held a briefing for the Congressional Robotics Caucus). Visioning workshops have been the prime means of working towards the first CCC goals, in addition to blog postings, articles, talks, website and computing research highlights.

CRA hosted the annual **Computing Leadership Summit** for presidents, executive directors, and other senior leadership of CRA, its five affiliate societies (AAAI, ACM, CACS/AIC, IEEE-Computer Society, SIAM, and USENIX), and NRC's Computer Science and Telecommunications Board. The fifteenth Summit was held February 23, 2009, in Washington, DC. Speakers included: Tom Kalil (Presidential Transition Team), "Science Priorities in the New Administration"; Randy Katz (UC Berkeley) CSTB Study—"Assessing the Impacts of Changes in the Information Technology R&D Ecosystem: Retaining Leadership in an Increasingly Global Environment"; Jeannette Wing (NSF) "Looking Ahead in NSF CISE"; Peter Harsha (CRA) "Where We Stand: Computing Research Funding Post-Stimulus"; Overview of CS Education Efforts (Andy Bernat – CRAE; Robert Schnabel – ACM Ed Policy Board; Jan Cuny, NSF – AP CS Courses); and Ed Lazowska, "Update on the CCC."

2008-09 Computing Research Association Members

Academic Members

The following departments held membership in CRA for all, or in a few cases part, of the period July 2008 to June 2009.

**indicates new members in 2008-09*

Arizona State University - CSE
Auburn University - CSSE
Binghamton University, SUNY - CS
Boston College - CS
Boston University - CS
Bowling Green State University - CS
Bradley University - CS
Brandeis University - CS
Brigham Young University - CS
Brown University - CS
Bryn Mawr College - MCS
Bucknell University - CS
California Institute of Technology - CS
Carnegie Mellon University - CS
Case Western Reserve University - EECS
City University of New York, Grad Center - CS
Clemson University - CS
Colgate University - CS
College of Charleston - CS
College of William & Mary - CS
Colorado School of Mines - MCS
Colorado State University - CS
Columbia University - CS
Concordia University – CSE*
Cornell University - CS
Dalhousie University - CS
Dartmouth College - CS
DePaul University - CDM
Drexel University - CS
Drexel University - IST
Duke University - CS
Emory University - MCS
Florida Institute of Technology - CS
Florida International University - CS
Florida State University - CS
George Mason University - CS
George Washington University - CS
Georgetown University - CS
Georgia Institute of Technology - CS
Georgia Institute of Technology - CSE
Georgia Institute of Technology - IC
Georgia Southern University - IT
Georgia State University - CS
Grinnell College - MCS
Harvard University - CS
Harvey Mudd College - CS
Hobart and William Smith Colleges - MCS
Hofstra University - CS
Illinois Institute of Technology - CS
Illinois State University - ACS
Indiana University - CS
Indiana University - I
Iowa State University - CS
Iowa State University - ECE
Johns Hopkins University - CS
Johns Hopkins University - SI
Juniata College - IT & CS
Kansas State University - CIS
Kent State University - CS
Korea Advanced Institute of Science & Technology - CS
Lafayette College - CS
Lehigh University - CSE
Louisiana State University - CS
Loyola University, Chicago - CS
Marquette University - CS
Marymount University - IT
Massachusetts Institute of Technology - EECS
McGill University - CS
Memorial University of Newfoundland - CS
Miami University - CS
Michigan State University - CSE
Michigan Technological University - CS
Mississippi State University - CSE
Montana State University - CS
Montclair State University - CS
Mount Holyoke College - CS
National University of Singapore - CS/IS
Naval Postgraduate School - CS
New Mexico State University – CS
New Mexico Tech – CS*
New York University - CS
North Carolina State University - CS
North Dakota State University - CSOR
Northeastern University - CIS
Northwestern University - EECS
Nova Southeastern University - CS
Oakland University - CSE
Ohio State University - CSE
Ohio University - EECS
Oklahoma State University - CS
Old Dominion University - CS
Oregon State University - EECS
Pace University - CSIS
Pennsylvania State University - CSE
Pennsylvania State University - IST

Polytechnic University - CIS
 Pomona College - MCS
 Portland State University - CS
 Princeton University - CS
 Purdue University – CS
 Regis University - CI
 Rensselaer Polytechnic Institute - CS
 Rice University - CS
 Rochester Institute of Technology - CS
 Rutgers University, Busch Campus - CS
 Rutgers University, Camden - CS
 Saint Louis University - MCS
 Santa Clara University - CE
 Simon Fraser University - CS
 Singapore Management University - IS
 Southern Illinois University, Carbondale - CS
 Southern Methodist University - CSE
 Southern Polytechnic State University - CSE
 Stanford University - CS
 Stevens Institute of Technology - CS
 Stony Brook University, SUNY - CS
 Swarthmore College - CS
 Syracuse University - IS
 Tecnológico de Monterrey, ITESM, Monterrey
 Campus – DTIE
 Temple University
 Texas A&M University – CS
 Texas A&M University, Corpus Christi - CS
 Texas State University - CS
 Toyota Technological Institute at Chicago - CS
 Tufts University - CS
 Union College - CS
 University at Albany, SUNY – CI
 University at Buffalo, SUNY - CSE
 University of Alabama, Birmingham - CIS
 University of Alabama, Tuscaloosa - CS
 University of Alberta - CS
 University of Arizona - CS
 University of Arkansas – CSCE
 University of Arkansas at Little Rock - IS&SE
 University of Bridgeport – CSE*
 University of British Columbia - CS
 University of Calgary - CS
 University of California, Berkeley - EECS
 University of California, Berkeley - IMS
 University of California, Davis - CS
 University of California, Irvine - ICS
 University of California, Los Angeles - CS
 University of California, Riverside - CSE
 University of California, San Diego - CSE
 University of California, Santa Barbara - CS
 University of California, Santa Cruz - CE
 University of California, Santa Cruz - CS
 University of Central Arkansas - CS
 University of Central Florida - EECS
 University of Chicago - CS

University of Cincinnati - CS
 University of Colorado, Boulder – CS
 University of Connecticut – CSE*
 University of Delaware - CIS
 University of Denver - ECS
 University of Georgia - CS
 University of Hawaii - ICS
 University of Houston – CS
 University of Illinois, Chicago - CS
 University of Illinois, Urbana Champaign - CS
 University of Illinois, Urbana Champaign - ECE
 University of Iowa - CS
 University of Kansas - EECS
 University of Kentucky - CS
 University of Louisiana at Lafayette - CACS
 University of Maine - CS
 University of Maryland - CS
 University of Maryland, Baltimore Co - CSEE
 University of Maryland, Baltimore County - IS
 University of Massachusetts, Amherst - CS
 University of Massachusetts, Boston - CS
 University of Massachusetts, Lowell – CS
 University of Miami – CS*
 University of Michigan - EECS
 University of Michigan - I
 University of Michigan, Dearborn - CIS
 University of Minnesota - CSE
 University of Mississippi - CIS
 University of Missouri, Columbia - CS
 University of Missouri, Kansas City - CS
 University of Montana - CS
 University of Nebraska at Omaha - CS/IST
 University of Nebraska, Lincoln - CSE
 University of Nevada, Las Vegas - CS
 University of Nevada, Reno - CSE
 University of New Brunswick - CS
 University of New Hampshire - CS
 University of New Mexico - CS
 University of New Mexico - ECE
 University of North Carolina at Chapel Hill - CS
 University of North Carolina at Chapel Hill - SILS
 University of North Carolina, Charlotte - IT
 University of North Dakota - CS
 University of North Texas - CS
 University of Notre Dame - CSE
 University of Oklahoma - CS
 University of Oregon - CIS
 University of Pennsylvania - CIS
 University of Pittsburgh - CS
 University of Pittsburgh - IS
 University of Puget Sound - MCS
 University of Rochester - CS
 University of South Alabama - CIS
 University of South Carolina - CSE
 University of South Florida - CSE
 University of Southern California - CS

University of Southern California - EES
University of Texas, Austin – CS
University of Texas, Austin – ECE
University of Texas, Brownsville - CIS
University of Texas, Dallas - CS
University of Texas, El Paso - CS
University of Toronto - CS
University of Utah - CS
University of Virginia - CS
University of Washington - CSE
University of Washington - I
University of Washington, Bothell - CS
University of Washington, Tacoma - CSS
University of Waterloo - CS
University of Wisconsin, Madison - CS
University of Wisconsin, Milwaukee - EECS

University of Wyoming - CS
Utah State University - CS
Vanderbilt University - EECS
Villanova University - CS
Virginia Tech - CS
Wake Forest University - CS
Washington State University - EECS
Washington University in St. Louis - CSE
Wayne State University – CS
Western Michigan University – CS*
Williams College - CS
Worcester Polytechnic Institute - CS
Wright State University - CSE
Yale University - CS
York University – CSE

Labs and Centers Members

Microsoft Corporation (*Sustaining Member*)
IBM Research (*Supporting Member*)
National Security Agency (*Supporting Member*)*

Argonne National Laboratory
AT&T Labs*
Avaya, Inc.
CA Labs
Computer Science Research
Institute (Sandia NL)
Fujitsu Laboratories of America, Inc.
FX Palo Alto Laboratory (FXPAL)
Google
Mitsubishi Electric Research Labs
National Center for Atmospheric
Research
NEC Laboratories America, Inc.
Ricoh Innovations, Inc.

SCI Institute
Sun Microsystems, Inc.
SRI International
Telcordia Technologies
Yahoo! Labs*
Hewlett-Packard Company
IDA Center for Computing Sciences
Intel Corporation
Lawrence Berkeley National Laboratory

*** Indicates new members in 2008-09**

Affiliated Professional Society Members

Association for the Advancement of Artificial Intelligence
Association for Computing Machinery
Canadian Association of Computer Science (CACCS/AIC)
IEEE Computer Society
Society for Industrial and Applied Mathematics
USENIX Association

Board of Directors

Officers

Daniel A. Reed, *Chair*, Microsoft Research
Lori Clarke, *Vice Chair*, University of Massachusetts
Carla Ellis, *Secretary*, Duke University
Philip Bernstein, *Treasurer*, Microsoft Research

Members

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North Carolina State University

William Aspray
Indiana University

Andrew A. Chien
Intel Corporation

George V. Cybenko
Dartmouth College
(IEEE-CS representative)

Richard A. DeMillo
Georgia Institute of Technology

Marie desJardins
University of Maryland, Baltimore County
(AAAI representative)

Mary Fernandez
AT&T Labs Research
(ACM Representative)

Eric Grimson
Massachusetts Institute of Technology

Laura Haas
IBM Almaden Research Center

Susanne Hambrusch
Purdue University

Mary Jean Harrold
Georgia Institute of Technology

Jeff Hollingsworth
University of Maryland

Peter Honeyman
University of Michigan
(USENIX Representative)

Norman Jouppi
Hewlett Packard
(ACM representative)

Rangachar Kasturi
University of South Florida
(IEEE-CS Representative)

James Kurose
University of Massachusetts

Peter Lee
Carnegie Mellon University

J Strother Moore
The University of Texas at Austin

David Notkin
University of Washington

Martha Pollack
University of Michigan

Robert Schnabel
Indiana University
(SIAM representative)

Fred B. Schneider
Cornell University

Marc Snir
University of Illinois, Urbana-Champaign

Robert F. Sproull
Sun Microsystems Laboratories

Valerie Taylor
Texas A&M University

David Tennenhouse
New Venture Partners

Frank Tompa
University of Waterloo
(CACS/AIC representative)

Jeffrey S. Vitter
Texas A&M University

Richard C. Waters
Mitsubishi Electric Research Labs

Bryant York
Portland State University

(as of June 30, 2009)

CRA Staff

Andrew Bernat
Betsy Bizot
Peter Harsha
Miriam Heller

Sabrina Jacob
Melissa Norr
Kapil Patnaik
Carla Romero
Jean Smith

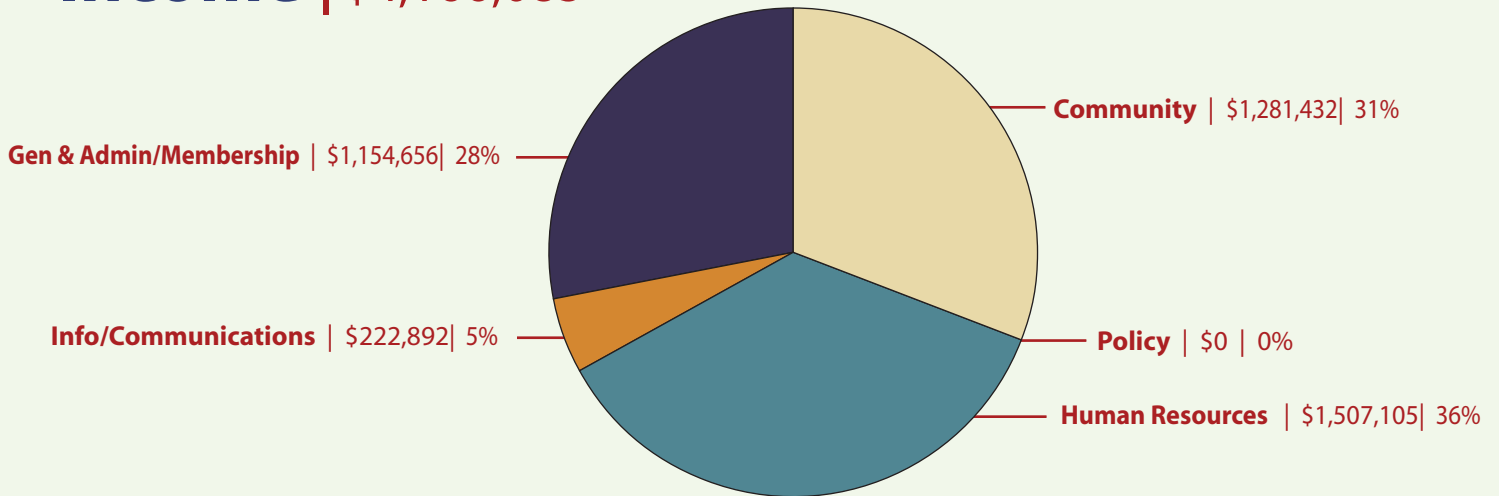
Patrick Krason

Executive Director
Program Evaluator
Director of Government Affairs
Director of Computing
Innovation Fellows Program
Office Manager
Policy Analyst
Webmaster/IT Manager
Director of Programs
Sr. Communications Associate
and *CRN* Editor
Manager of Administrative
Support

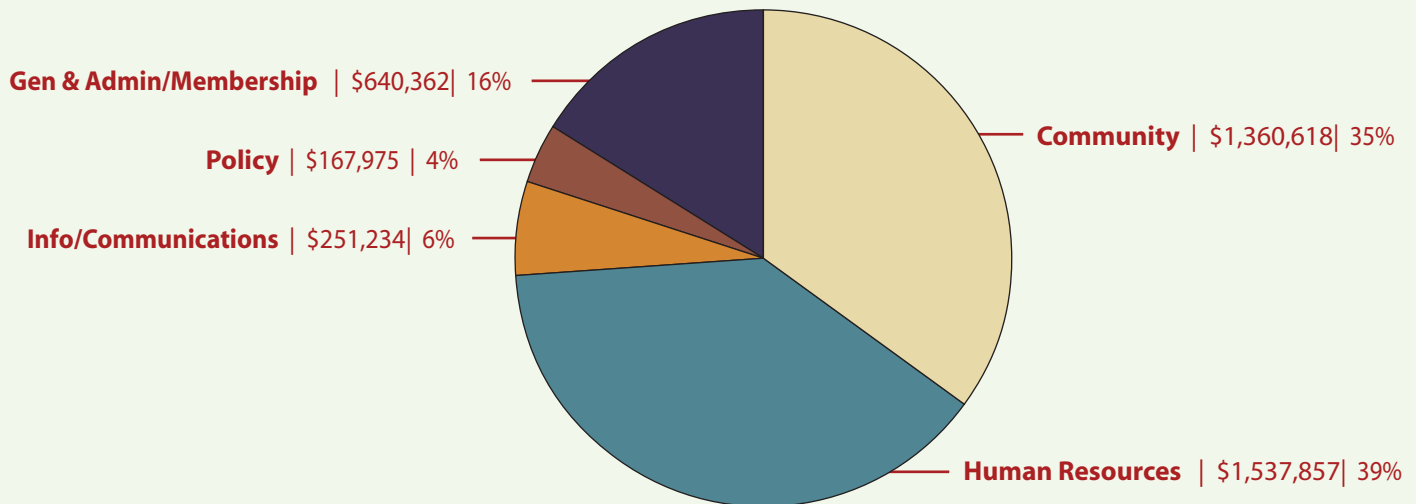
CRA Financial Statement

July 2008 - June 2009

Income | \$4,166,085



Expenses | \$3,958,046



Financial Position | \$1,755,757

Cash & Accts Receivable	\$1,209,784
Investments	\$1,281,770
Total Assets	\$2,491,554*
Total Liabilities	<u>\$735,797</u>
Total Net Assets	<u>\$1,755,757</u>

*Includes: Total Unrestricted Net Assets of \$1,497,049 and Total Temporarily Restricted Net Assets of \$289,408