

THE COMPUTING RESEARCH ASSOCIATION

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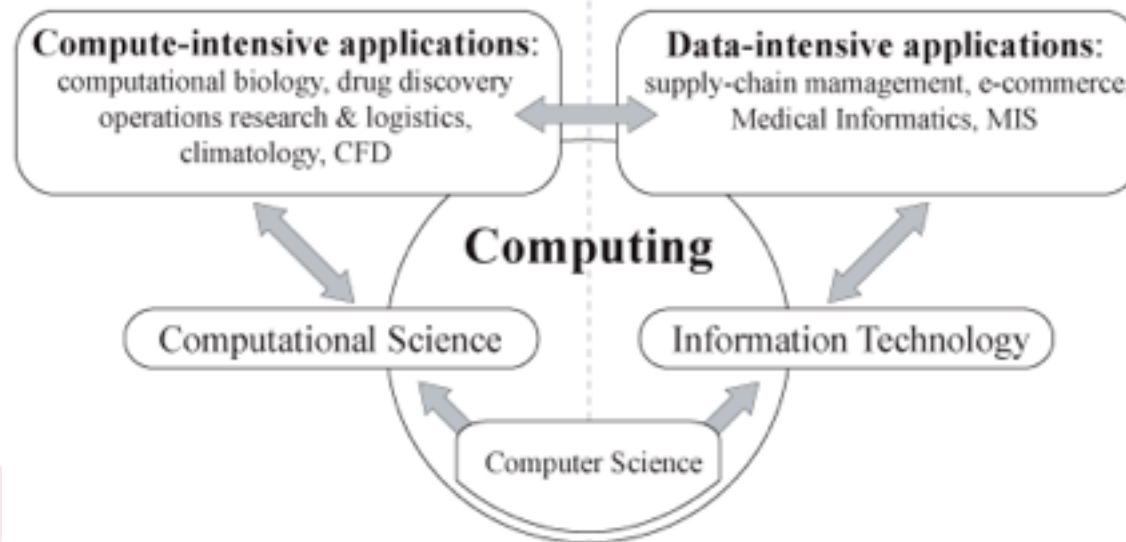
WHY CRA

CRA's mission is to enhance innovation by joining with industry, government and academia to strengthen research and advanced education in computing. CRA executes this mission by leading the computing research community, informing policymakers and the public, and facilitating the development of strong, diverse talent in the field.

WHAT IS CRA'S SPACE?

(From 2002 Computing Research News)

CRA's goal is to have as members and provide service to all groups that are doing computing research, whether it be in traditional computer science, computer engineering, computational science, information technology, information science, computational biology, medical informatics, or any domain in which new computing knowledge is being created.



SOME HISTORY

- 1970: Orrin Taulbee begins collection on PhD production
- 1972: ~65 newly created departments; trying to get a seat at the table; limited resources; no history; no home for academic researchers; creation of Computer Science Board
- 1973: Computer Science Conference started; academic focus; recruiting venue; taken over by ACM; conference died in 1990s
- 1974: department chairs needed venue to chat; first Conference at Snowbird
- 1986: CSB incorporated as Computing Research Board
- 1988: CRB became CRA; permanent organization

SOME EXAMPLES OF CRA IMPACT

- **DARPA funding of universities**
- **NRC (mis-)ranking of programs**
- **CCC and administration programs in Robotics and Big Data**
- **University of Florida eliminating CS**

CRA's SIZE

17 staff

- Management
- Policy
- Talent Development
- Visioning
- Education leading to research careers
- Education

Membership

- Academic programs with computing research – 212
- Industrial labs – 11
- Computing membership organizations – 6
- Associate members – 4 (Korea, Singapore, Elsevier)

Some of Our Best Known Activities

- Taulbee (degrees, salaries)
- Conference at Snowbird for the Computing Research Leadership
- CRA-W
- Policy

Some of Our Should be Better Known Activities

- Computing Community Consortium
- CRA-E
- Leadership in Science Policy Institute

Some of Our HPC Involvement

- Cyberinfrastructure for Education and Learning for the Future: a Vision and Research Agenda
- NITRD's Workshop on the Road Map for the Revitalization of High End Computing
- CRA/CCC Workshop on Extreme Scale Design Automation
- Advancing Computer Workshops on Advancing Computer Architecture Research (ACAR) II
- Accelerating Science: A Computing Research Agenda White Paper
- Next Generation Computing Challenges
- 21st Century Computer Architecture
- Big-Data Computing
- Innovation in Networking
- Re-Envisioning DARPA

Obvious Areas We Should Be Working Together

- Policy
- Visioning
- Education
- Diversity