The State of CRA
Historical Footnotes

• 1972 Ohio State get together  
  … and so it begins

• Rick Weingarten retires from ALA
Old Offices

(with a thank you to Jim Foley)
New Offices

1828 L St., NW, Washington, D.C. 20036
CRA’s Professional Staff

Andy Bernat
Betsy Bizot
Erwin Gianchandani
Peter Harsha
Kenneth Hines
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Melissa Norr
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Carla Romero
Jean Smith

Chase Hensel
Barbara Freel
Becky Boland
Elena Sheidu
CRA’s Mission

Strengthen research and education in the computing fields

• working to influence **policy** that impacts computing research
• encouraging the development of **human resources**
• contributing to the cohesiveness of the professional **community**
• and collecting and disseminating **information** about the importance and the state of computing research
CRA
Programmatic Committees

- CDC — the Coalition to Diversify Computing
- CCC — the Computing Community Consortium
- CRA Deans Group
- CRA-E — CRA’s Committee on Education
- CRA Government Affairs
- CRA-W — CRA’s Committee on the Status of Women
Like Grace M. Hopper Conf. for Under-Represented Minorities
- 50% ♀, 40% Afr. Am., 30% Hisp.
- Overcomes isolation: 82% said it reaffirms CS major, finish degree

• Chair: Dave Patterson, UCB
• Keynote: Irving Wladawsky-Berger, IBM
• Tapia Prize: Bill Wulf, UVA
• Funds: Google, Intel, Microsoft

You can help
- Encourage URM/female undergrads/grads to apply for scholarships, posters
- Fund non-scholarship URM/female students
  (If send ≥ 5 => get exhibit space, resume book)

tapiaconference.org/2011

Coalition to Diversify Computing is a joint organization of ACM, CRA, and IEEE/CS
CRAs Computing Community Consortium

The Computing Community Consortium (CCC) is ...
- A standing committee of CRA
- Funded by NSF under a Cooperative Agreement
- Focused on empowering the computing research community to pursue more audacious research visions

CCC’s activities include ...
- Activities to increase funding of computing research; community-initiated workshops to define new research directions; computing research white papers for the White House & others (dozens, including the future of robotics, health IT, educational technology, IT for development, broadband infrastructure, the role of large-scale data analysis in all fields, IT and energy/sustainability, etc.)
- Computing Innovation Fellows Project
- Computing Research Highlight of the Week
- Landmark contributions by students
- Library of Congress Symposium for policymakers

GET INVOLVED!

http://www.cra.org/ccc
CRA-Education

CRA-E is forking

Mark 1.0
Chair: Andy van Dam
Exploring the issues of undergraduate education in computing and computational thinking for those who will do research in disciplines from the sciences to the humanities.
White Paper highlighted here at Snowbird!

Mark 2.0
Chair: Rich DeMillo
Exploring issues in undergraduate computing education relevant for computing researchers.
Breakfast meeting to start the ball rolling.
Exploring the issues of undergraduate education in computing and computational thinking for those who will do research in disciplines from the sciences to the humanities.

The overall goal of this white paper is to provide guidance that will help institutions create an undergraduate environment that supports the acquisition and internalization of the computationally-oriented researcher mindset.

To achieve this, we identified two sub-goals:
1. identify the issues facing faculty charged with educating computationally-oriented researchers in the first part of the 21st century
2. make recommendations that address those issues and that are both relevant and implementable within the current institutional context.
CRA-E 2010-11

- Successor to van Dam Committee
- Chair: Rich DeMillo (rad@gatech.edu)
- Vision: Create synergies between undergraduate education and computing research
- Mission
  - Take ownership for the research pipeline and promote its health
  - Provide a window on computing research frontiers for computing education organizations
  - Identify research advances that might affect computing education
  - Represent the interests of the computing research community as education policy and curriculum initiatives are developed.

- Priorities Under Discussion
  - Create research pipeline health dashboard
  - Understand and help non-doctoral institutions
  - Understand role played by undergraduate research
  - Tools for preparing undergraduates for research careers

WHAT WE NEED NOW
- Help
  - CRA Engagement Board Members
  - Society and Committee Liaisons
- Ideas
  - Prizes
  - Symposia
  - Books
- Look for online community
CRA-W

Focuses on increasing the number and success of women in computing research through the following programs and activities:

• For Undergraduates (CREU, DREU, Distinguished Lecture Series, Extended Mentoring)
• For Graduate students (Grad Cohort, Discipline-Specific Workshops)
• For Faculty and Industry Researchers (Career Mentoring Workshops, Travel Grants, Borg Early Career Award)
• Communications (Expanding the Pipeline Column, CRA-W Newsletter, listservs, mailing lists, publications)
• Alliances (Broadening Participation, CDC, NCWIT, Grace Hopper, STARS)
CRA Status Report
The Bottom Line

Financially stable
Membership dues and Snowbird fees held constant

Activities are growing

Participation is growing

Influence is growing

You’re here!
Financial activity overview

$7.5 million in expenditures

$340K in corporate donations

35% indirect rate
CRA Hot Issues

- Ranking of PhD programs
- NSF’s Broader Impact criterion
How important is CRA?

Peter Lee takes CRA staff to lunch
He learns about Trapster
Peter joins DARPA
DARPA embraces social networks

Peter Lee briefs Secretary Gates

Dugan briefs Congress
Doing Your Part

Fill out the online Snowbird evaluation!

Keep informed - read the blogs!

Explore our website!

If you have issues, let us hear from you!

abernat@cra.org
Looking Forward

Snowbird 2012

July 22-24, 2012

CRA’s 40th Anniversary