Name of Society/Organization: Computing Research Association - Education Committee

URL: www.cra.org

What is the mission of your organization?

Mission

The formal motion approved by the Board states:

CRA-E be chartered to:
1. serve as a forum for discussion about education and curricular issues
2. address common pipeline issues as those issues relate to computing research and the mission of CRA
3. maximize synergies between the education, policy, science and research communities by including such non-governmental organizations as the College Board and NCAA
4. serve as a voice for education within CRA initiatives

Draft initial mission includes developing best practices (models?) for:

1. the computing education that students need moving forward (with a focus on computing majors but connected to relevant other areas/interdisciplinary)
2. successful innovations that attract students into computing education and careers (but not the image part, more the undergraduate level)
3. strategies that attract students into computing research education and careers

CRA’s leverage is that our institutional membership allows us to bring together all relevant parties, particularly the high profile, leading academic and other research institutions with the necessary credibility to speak to these issues and have action result.

Please describe the membership of your organization: number of members, demographic profile, and common interests.
250+ universities, colleges, research labs, computing societies, government agencies interested in the health of the computing research enterprise.

How does your organization influence computing education?
Not sure we do, actually.

What do you see as the most significant three challenges facing computing education in order to achieve the goals that your organization wants for computing education?
1) Figure out what matters in computing
2) Figure out how to let prospective know (1)
3) Figure out how to help students learn (1)
What are the top three things that should be done to improve computing education? (1), (2) and (3) above

If all the groups coming to this meeting got behind a common goal or strategy, what would you suggest that it would be? (1), (2) and (3) above

What concrete outcome would you hope this meeting to achieve? A way to move forward.

What would you want representatives from your organization to learn from the summit? What our piece of the pie should be.

What would help your organization the most at this workshop? Participants come prepared.

We will be able to invite at most two representatives from each participating society/organization. Could you please provide names and short bios of two representatives from your organization?

Andrew Bernat (not likely to get Andy van Dam)
Dr. Andrew Bernat is Executive Director of the Computing Research Association. Previously he was a Professor of Computer Science at the University of Texas at El Paso and a Program Director handling computer science in the Division of Undergraduate Education. He is on the Editorial Board of Computer Science Education.

**Sample bios of meeting PIs:**

**Dr. Mark Guzdial** is a Professor at Georgia Tech's School of Interactive Computing and is Vice-Chair of the ACM Education Board. He is a member of the leadership team for NCWIT and of the advisory board for the Anita Borg Institute.

**Dr. Jane Prey** is a Senior Research Program Manager in the External Research group at Microsoft Research and is a member of the ACM Education Board. She spent 11 years as a faculty member in the Department of Computer Science at the University of Virginia. She served a two year rotation as a program officer in the National Science Foundation's CCLI program.

**Dr. Heikki Topi** is an Associate Dean at Bentley College and is a member of the ACM Education Board. He was one of the leaders in developing the ACM/AIS Information Systems undergraduate curriculum. He is a Senior Editor for Information Systems Management.