

# COMPUTING RESEARCH FUTURES

*Gregory Hager*

*Chair*

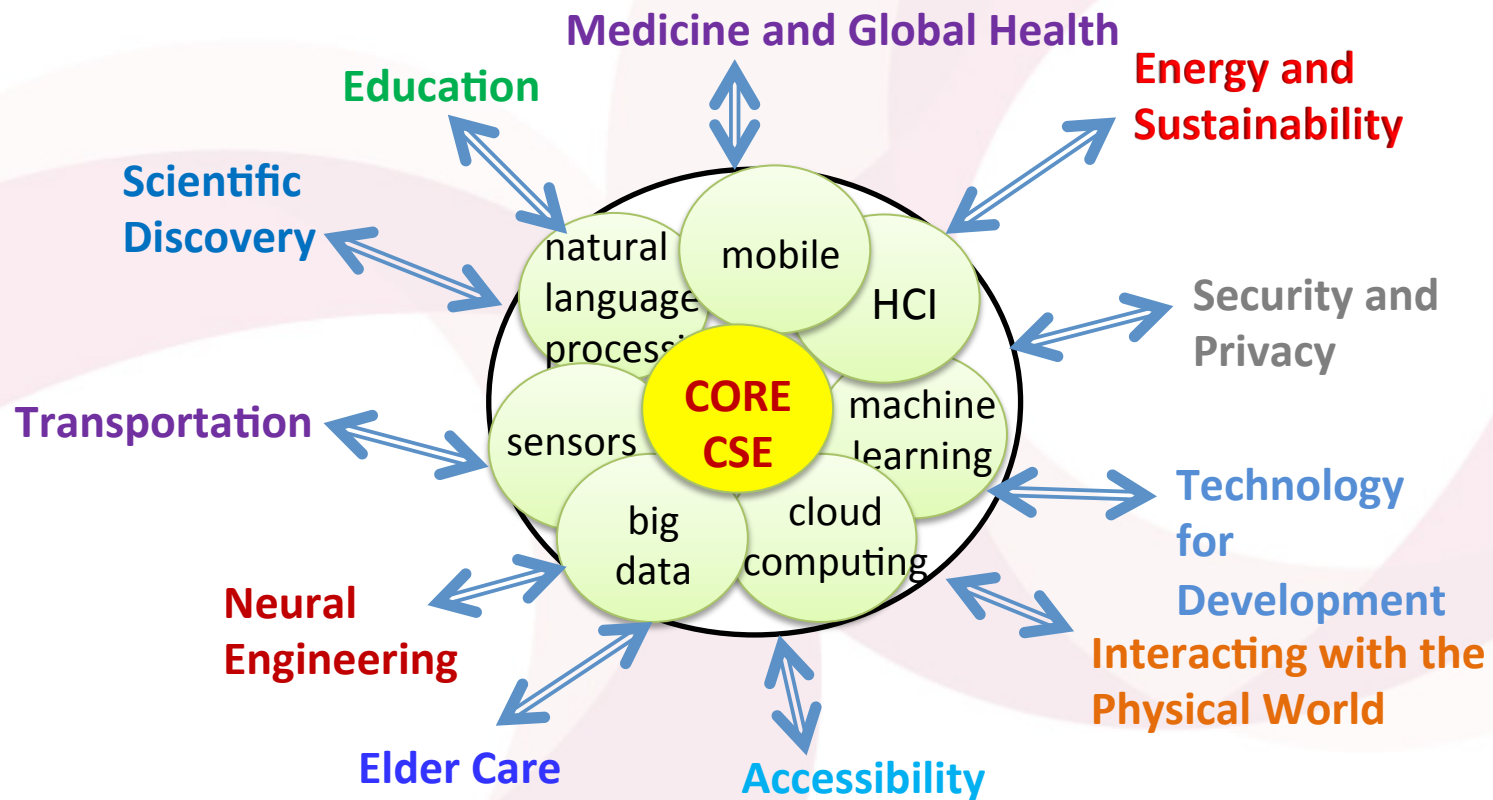
*Computing Community Consortium*



**CCC**

Computing Community Consortium  
Catalyst

# THE RAPIDLY EXPANDING WORLD OF COMPUTING



Graphic: Lazowska



**CCC**

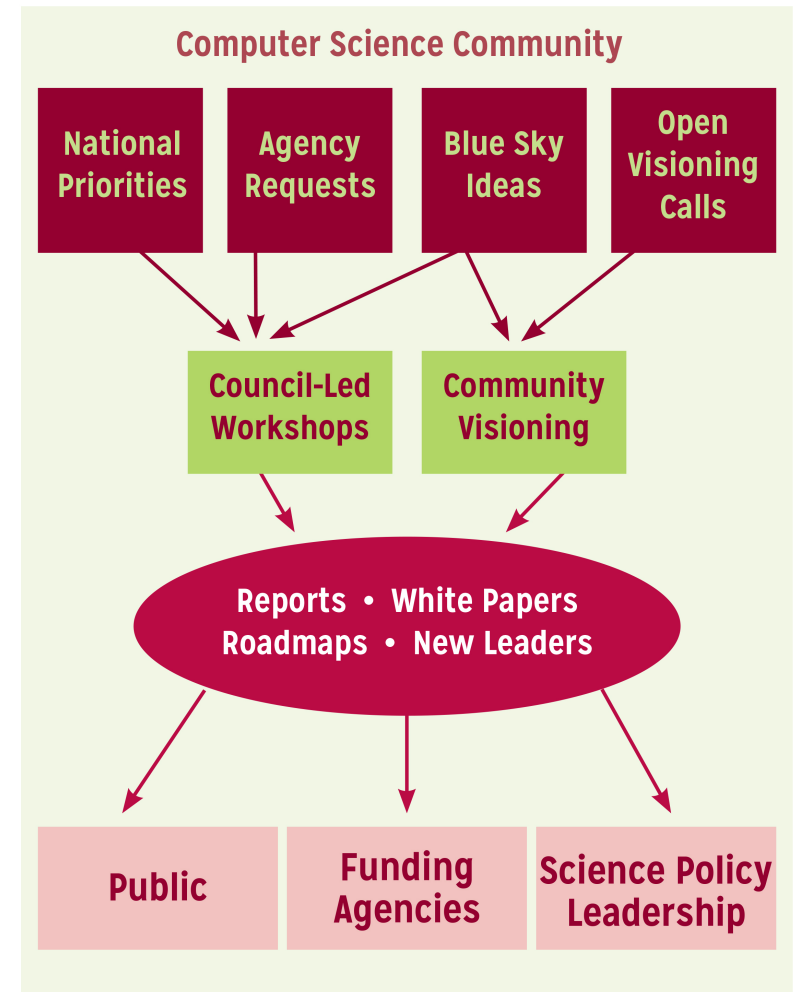
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# WHAT IS THE COMPUTING COMMUNITY CONSORTIUM

- Established in 2006 as a standing committee of the Computing Research Association
- Funded by NSF under a Cooperative Agreement
- Facilitates the development of a bold, multi-themed vision for computing research – and communicates this vision to stakeholders
- Led by a broad-based Council
- Staffed by CRA

# WHAT DOES THE CCC DO?

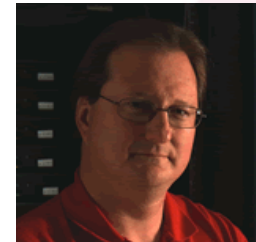
- **Audacious Thinking:**
  - Community Initiated Visioning Workshops
  - Blue Sky Ideas tracks at conferences
- **Outreach to White House, funding agencies:**
  - Outputs of visioning activities
  - Task Forces – Health IT, Data Analytics
- **Communicating CS Research:**
  - CCC Blog [<http://cccblog.org/>]
  - Computing Research in Action Videos
  - Research “Highlight of the Week”
  - “The Impact of NITRD” symposium
- **Nurturing the next generation of leaders:**
  - Computing Innovation Fellows Project
  - Leadership in Science Policy Institute



## THE CCC COUNCIL – EXECUTIVE COMMITTEE



- Greg Hager, Johns Hopkins Univ. (Chair)
- Beth Mynatt, Georgia Tech (Vice Chair)
- Susan Graham, UC Berkeley (Past Chair)
- Bob Sproull, formerly Sun Labs Oracle
- Liz Bradley, University of Colorado, Boulder
- Mark Hill, University of Wisconsin, Madison
- Ann Drobnis, Director
- Andy Bernat, CRA Executive Director



\* Executive Committee  
\*\* 1 year leave



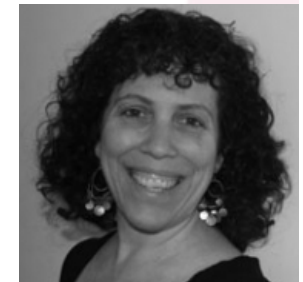
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# THE CCC COUNCIL



- Terms ending June 2017
  - Lorenzo Alvisi, UT Austin
  - Vasant Honavar, Penn State
  - Jennifer Rexford, Princeton
  - Debra Richardson, UC Irvine
  - Klara Nahrstedt, UIUC
  - Ben Zorn, Microsoft Research
- Terms ending June 2016
  - Randy Bryant, CMU\*\*
  - Limor Fix, formerly Intel
  - Tal Rabin, IBM
  - Daniela Rus, MIT
  - Ross Whitaker, Univ. Utah
- Terms ending June 2015
  - Sue Davidson, Univ. Pennsylvania
  - Joe Evans, Univ. Kansas
  - Ran Libeskind-Hadas, Harvey Mudd College
  - Shashi Shekhar, Univ. Minnesota



\*\* 1 year leave



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## WHAT DISTINGUISHES CCC?

- **Proactive, rapid response**
  - Identify, plan, and execute in a matter of weeks to months
- **Community-based**
  - Find, foster and raise awareness of new trends and opportunities
- **Leadership incubator**
  - Everyone on the council takes on activities

## GET YOUR DEPARTMENT INVOLVED!

- Propose a visioning workshop or track
- Read, comment, contribute to the CCC Blog
- Nominate new committee members
- Send us ideas for new activities, better ways to communicate, and other avenues for impact!

<http://cra.org/ccc>



## OUR TALKS THIS EVENING

- Big Data, Data Science, and other Buzzwords that Really Matter
  - Michael Franklin, Thomas M. Siebel Professor of Computer Science at the University of California, Berkeley
- Socially Assistive Technologies: Creating Machines that Care
  - Maja Mataric, Professor and Chan Soon-Shiong Chair in Computer Science, Neuroscience, and Pediatrics at the University of Southern California



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