
Dan Reed
Chair, CRA Board of Directors

www.cra.org
Why A CCC?

• What questions shape our intellectual future?
• What attracts the best and brightest minds of a new generation?
• What are the next big computing ideas?
  – that will define the future of computing
  – galvanize the very best students
  – catalyze research investment and public support

• Computing Community Consortium purpose
  – create compelling research visions
  – create the mechanisms to realize these visions
The CCC Challenge

• Catalyze the computing research community
  – debate long range, more audacious research challenges
  – build consensus around research visions
  – articulate those research visions
  – work with funding organizations
    • move the challenges and visions toward funding initiatives

• Do this without harming the research environment
  – that has created the computing world of today
How Will The CCC Work?
Who Will Be The CCC?

• Broadly inclusive
  – the entire computing research community

• Welcome participation
  – any computing researcher who wishes to be involved

• The CCC Council’s role
  – stimulate and facilitate visioning
  – NOT to do the visioning

• A Cooperative Agreement with CISE
  – Will be an interactive partnership
Relationship to GENI

Not interdependent
- GENI was impetus for CCC
- But CCC’s mission and impact much broader

Serve as proxy organization
- Create the GENI Science Council
  - Work with GENI Planning Group to evolve GENI Science Plan
  - Work with GENI Project Office to ensure design meets science needs
- Communicate with the computing community on GENI
  - Expand community understanding of GENI
  - Maximize community participation
    - science plan, design, and use
Broader Impacts

General public
- Promote computing as a thriving discipline
- Show role of IT in tomorrow’s world

Students
- Entice more students to enter computing fields
- Provide training opportunities for future leaders
Plans

Bootstrapping (Oct-Nov 2006)
  - Interim GENI Community Advisory Board
  - Interim CCC Council
  - Solicit nominations for chair & council

Steady state
  - Council & chair members selected by
    • combination of CRA & CCC with community input
Interim CCC Council

- **Interim council members**
  - Bill Feiereisen, LANL
  - Jessica Hodgins, CMU
  - John Hollerbach, Utah
  - Daniel Jackson, MIT
  - Dick Karp, California-Berkeley
  - John King, Michigan
  - Peter Kogge, Notre Dame
  - Dan Ling, Microsoft
  - Francis Sullivan, IDA
  - David Tennenhouse, A9
  - Ellen Zegura, Georgia Tech

- **Office of the chair (interim)**
  - Greg Andrews, Arizona
  - Susan Graham, UC Berkeley
  - Ken Kennedy, Rice
  - Ed Lazowska, Washington
  - Ran Libeskind-Hadas, HMC
  - Anita Jones, Virginia
  - Dan Reed, UNC
Requirements for Success

• Community involvement
  – Computing community must believe in the mission & operation of the CCC

• Support from funding agencies
  – Funding agencies must be open to the directions identified by the visioning processes

• Effective leadership
  – Dedicated and visionary people must be willing to serve as chair & council members