CCC Council Meeting

November 9, 2020

Agenda

11:00 AM ET	Welcome and Updates
11:15 AM ET	Peter Harsha on the Landscape in DC
12:00 PM ET	Margaret Martonosi on the View from NSF
12:45 PM ET	**BREAK**
1:45 PM ET	Set-up Task Forces
2:00 PM ET	Task Forces Breakout
3:00 PM ET	Task Force Report Outs (Open Session)
3:45 PM ET	**BREAK**
4:30 PM ET	Wrap Up/ Next Steps (Open Session)
5:15 PM ET	Adjourn

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Welcome and Updates

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The Landscape in DC

by Peter Harsha

The View from NSF
by Margaret Martonosi

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Break

We will reconvene at 1:45 PM ET

Task Forces

Task Forces

- *Cybersecurity and Cybertrust*
  - Elisa Bertino, Nadya Bliss, Kathleen Fisher, Brian LaMacchia and Helen Nissenbaum
- *Re**ing Computing*
  - Tom Conte, Ian Foster, William Gropp and Mark Hill
- *Responsible and Inclusive Computing*
  - David Parkes, Melanie Mitchell, Melanie Moses, Katie Siek and Suresh Venkatasubramanian
- *Technology for a Distributed Life*
  - Sujata Banerjee, Maria Gini, Holly Yanco and Daniel Lopresti

Working Groups

- *AI Working Group*
  - Liz Bradley, Chad Jenkins, and Melanie Mitchell
- *Foundations Working Group*
  - Ronitt Rubinfeld

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Breakouts

Report back at 3:00 PM ET with slide of:

- Task Force Name
- Potential External Members
- Ideas of Topics / Activities
- First Priority

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Cybersecurity and Cybertrust

- Task Force Name: Cybersecurity and Cybertrust
- Potential External Members: Josephine Wolff, Tyler Moore, WEIS Conference, Kate Starbird, Emma Spiro, Scott Ruston, Chris Wiggins
- Ideas of Topics/Activities:
  - Disinformation
    - "Manipulation of the minds via privacy violations"
  - Security Incentives (maybe targeted for IoT?)
- First Priority:
  - Workshop on disinformation to get more voices
  - Congressional briefings (to new congress) on either/both topics if Peter thinks is useful

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Re**ing Computing

- (Separate slides)
- Task Force Name: ** = "Four Seasons Total Landscaping"-adjacent businesses
- Potential External Members:
- Ideas of Topics/Activities:
- First Priority:

~~Responsible and Inclusive~~ ~~Computing~~ Radically Responsible Computing

Sarah Brown, Rhode Island
Ron Metoyer, Notre Dame
Raquel Hill at Spelman,
Dale-Marie Wilson or Manuel
Perez Quionez at UNCC
Kyla McMullen at Florida
Tawanna Dillahunt Michigan

- Task Force Name: Radically Responsible Computing
  - [Inclusive Computing is a subarea]
- Potential External Members:
  - [Review Chad's Workshop Proposal for list] - we nee oriented researchers [https://docs.google.com/document/d/1LAuC9t47OFZf4zJfPszRrHi7D33hI9Zv mOyfsa9Zx6g/edit]
  - Christina Harrington, DePaul University (R2) [CSCW, CHI]
- Ideas of Topics/Activities:
  - [Feb?] Social Media Election Debrief - bring together social media companies and researchers to discuss what they did during the election
  - [Workshop on the future in October] Radically Reimagining Responsible Computing workshop
  - [Panel on the current state] Snowbird Panel to discuss landscape of Responsible Computing (collab with CRA-WP & CRA-E)
  - First Priority:
    - Network to find correct people at social media companies and nonprofits (Feb workshop)
      - Co-opt people to help organize
    - Discuss Snowbird session with organizers

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Responsible and Inclusive Computing

- Questions
  - Does anyone in NSF know about this? There have been workshops and meetings about this
- Topics
  - Algorithmic justice
    - Broader future societal impact
      - What then? What do I do now?
      - We are not limited by the frames of the people paying for the systems
      - Workshops around reframing the questions entirely (don't predict failure; intervention oriented)
  - Computing that catalyzes action

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Technology for a Connected Distributed Life

- Potential External Members: TBD - potentially domain experts, virtual worlds
- Ideas of Topics/Activities:
  - Multiple domains of interest (list on next slide)
  - Multiple technology areas (list on next slide)
  - White paper, topics for a blog, invite experts based on gaps, visioning workshops
- First Priority: White paper on the issues, technologies, gaps

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Technology for a Connected Distributed Life

Domains

- Healthcare
- Education
- (Remote) Work
- Manufacturing?
- Transportation
- Social/Community Activities
  - Culture - concerts, broadway
  - Sports
  - Tourism/Dining
  - Conferences - hallway discussions

Technologies

- Chatbot/conversational agents
- Robotics
- Video conferencing
- AR/VR/Haptics
- 5G/6G Broadband connectivity
- Security/Privacy
- Authenticity
- Hardware re-design
- User interfaces, HCI, accessibility
- Edge computing
- Sustainability

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Technology for a Connected Distributed Life

- Issues
  - How to ensure high quality of applications?
  - Experience in hybrid environments
  - Disadvantaged members, disproportionate impact
  - Cost vs perceived value
  - Fake stuff, impersonations
  - Regulations, policies, impact on for e.g., insurance reimbursements
  - Measuring quality in this new environments feeding into legislations
- External members
  - Domain expertise - e.g., healthcare, education, NAB
  - What have we learned from second-life and other such communities? MMPG community?

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Break

We will reconvene at 4:30 PM ET

Wrap Up and Next Steps