CCC Council Meeting
March 7th, 2016

Attending: Peter, Khari, Ann, Beth, Andy, Helen, Greg, Kevin, Maja, Debra, Liz, Nina, Cynthia, Brian, Randy, Kathy, Dan, Ben

- Announcements
  - Tom Kalil won CRA Distinguished Service Award 2017
  - Will be accepting award at Snowbird 2018
- Nominations
  - Fine tuning candidates
  - Should have it wrapped up by Mid-April
- Cyber-manufacturing Workshop
  - Doing with Advanced Manufacturing Organization
  - Next week
- Summer 2017 Meeting
  - Microsoft faculty summit
  - CCC Council meeting- Wednesday July 19th in Seattle, WA
- DARPA Visit
  - Next week
  - Vasant, Ann, and Beth
  - Accelerating Science discussions
- Series of Infrastructure White Papers
  - Stimulus investment around infrastructure
    - Placeholder for actual legislation
    - Intellectual backing, the foundation
    - The arguments people will use to see why basic science is important
  - Could bring in citizen science and maker orientation
  - CCC put together whitepapers
  - 2.5 weeks for this- what we have written we will share at our March meeting
  - 3-5 page white paper on the potential for computing research on these particular areas
  - CPW task force will take lead of this
    - Overview Paper
      - Led by people on the Council (like Klara)
    - **Transportation**
      - What infrastructure would you embed in the roads/cars?
      - Efficiency, Automation, Safety and Resilience
      - Other good names
        - Ryan Eustice, Michigan (Kevin/Greg's Recommendation)
        - Dan Works (Klara's recommendation)
      - Names recommended by NSF
        - S. Shankar Sastry, Dean, College of Engineering, University of California

Berkeley,http://robotics.eecs.berkeley.edu/~sastry/, sastry@coe.berkeley.edu.
- o Hamsa Balakrishnan, Associate Professor, Department of Aeronautics and Astronautics,Massachusetts Institute of Technology, http://web.mit.edu/hamsa/www/, hamsa@mit.edu.
- o Saurabh Amin, Robert N. Noyce Career Development Assistant Professor, http://cee.mit.edu/people_individual/saurabh-amin, amins@mit.edu
- o Alex Bayen, Liao-Cho Professor of Engineering, UC Berkeley, Faculty Scientist, Mechanical Engineering, Lawrence Berkeley National Laboratory,http://bayen.eecs.berkeley.edu/content/alexandre-bayen, bayen@berkeley.edu

- **Energy**
  - Smart grid
  - Other good names
    - o Pacific northwest lab (ask Kathy)
    - o Lehigh also has a smart grid (ask Dan)
- **Environment and Sustainability**
  - From Liz: There's a local NGO here in Boulder, funded by Rockefeller, that works at the food-energy-water nexus, including transportation. Let me know if you'd like me to mention these white papers to them and see if they could help.
  - Possibly also food, energy, and water
  - Shashi Shekhar- Good possible lead
    - o Check possible workshop language that has already been written
  - Other good names
    - o Margaret Bush
    - o Carla Gomes
    - o Tanya Berger-Wolf
  - Names recommended by NSF
    - David Irwin, Assistant Professor of Electrical and Computer Engineering, U Mass Amherst http://www.ecs.umass.edu/~irwin/, irwin@ecs.umass.edu
    - Ian A Hiskens, Visiting Professor of Engineering, University of Michigan,http://web.eecs.umich.edu/~hiskens/, hiskens@umich.edu
    - Steve Koonin, Director of NYU's Center for Urban Science and Progress, New York University, http://cusp.nyu.edu/people/steve-koonin/.

- David Lary, Associate Professor of Physics, University of Texas Dallas,https://utdallas.influuent.utsystem.edu/en/persons/david-j-lary, djl101000@utdallas.edu.
- **Food and Agriculture**
  - Could also touch on rural areas?
    - Klara isn't sure we should address this just yet
  - Urban agriculture; Autonomous systems
- **City Scale Intelligent Systems and Platforms**
  - Array of Things project in Chicago- environmental monitors
  - Could divide up cities into different categories
  - Names recommended by NSF
    - Charlie Catlett, Senior Fellow, University of Chicago, Senior Computer Scientist, Argonne National Laboratory, https://www.ci.uchicago.edu/profile/165, catlett@anl.gov.
    - Christos Cassandras, Professor, Department of Electrical and Computer Engineering and Systems Engineering, and Head of the Division of Systems Engineering, Boston University, https://www.bu.edu/eng/profile/christos-cassandras/ cgc@bu.edu.
- **Health**
  - Ask Vasant
  - Surveillance, smart environments for personalized health
- **Public Safety, Emergency and Disaster Response***
  - and privacy?
    - Good topic- Ben
    - Cross-cutting
    - What agency would align with privacy?
      - DHS?
    - What would the agenda look like for a paper like this?
  - Do we look at the paper we have already written?
  - Other good names
    - Robin Murphy
  - Names recommended by NSF
    - Nalini Venkatasubramanian, Professor, Department of Information and Computer Science, University of California, Irvine, https://www.ics.uci.edu/~nalini/,nalini@ics.uci.edu (Debra and/or Klara will reach out)
    - Michael Dunaway, Director, NIMSAT Institute, University of Louisiana at Lafayette, mdunaway@louisiana.edu.
- **Safety, Security, Reliability and Privacy**

- This is an existing NIST cybersecurity activity: https://www.nist.gov/cyberframework
- oriented to NIST?
- Names recommended by NSF
    - Radha Poovendran, Chair, Department of Electrical Engineering, University of Washington, http://www.ee.washington.edu/people/radha-poovendran/, chair@ee.washington.edu.
- **Construction and Manufacturing**
    - (such as the City Digital UI Labs Chicago projects)…
- Agency Visits
    - Data and Computing task force meeting at DOE
    - Department of Justice
        - Director of Research in office of science
    - NIST
    - NIH
- Council Meeting / Updates from Task Forces
    - Organized around task forces
    - Brian Pierce, DARPA will be visiting
    - Eric Horvitz presentation on the partnership?