US Ignite Gigabit Applications Workshop
National Science Foundation & Office of Science and Technology Policy
National Science Foundation
4201 Wilson Blvd., Arlington, VA 22230
Room 375
May 16, 2011 Agenda

8:30 Registration/Continental Breakfast
Please sit at a table of your primary area of interest: energy, health, education, transportation, advanced manufacturing, public safety.

9:00 Welcome Remarks
NSF: Farnam Jahanian, NSF/CISE AD
US Ignite and workshop goals: Nick Maynard, OSTP, and Suzi Iacono, NSF/CISE

Session 1: Next-gen Networking
9:30 A Tale of Six Cities: Resources and Areas of Interest
Goal: Understand the people, network resources, and areas of application interest for each city
Moderator: Heidi Dempsey, GENI Project Office
Lev Gonick, Cleveland, OH
Jim Ingraham, Chattanooga, TN
Geoff Daily, Lafayette, LA
Tegene Beharu, Washington, DC
Todd Marriott, UTOPIA/Salt Lake City region, UT
*Allan Frank, Philadelphia, PA
5 x 10' talks, 10' Q & A * *Afternoon presentation due to scheduling conflict.*

10:30 Coffee Break

10:45 US Ignite network infrastructure & resources: What is the Global Environment for Network Innovations (GENI)?
Goal: Understand the who-what-when-where of GENI
Chip Elliot, GENI Project Office
30' talk, 15' Q&A

Session 2: Next-gen Applications and Services
11:30 Lunch and Research Blitz
Participants have 30 min. to get food and bring it back to NSF to eat during the Research Blitz.
12:00 Lunch and Research Blitz
Moderator: Will Barkis, NSF/CISE
90 sec. presentations from ~20 researchers with Q&A
Goal: Introduce the researchers and their application interests to everyone

1:00 What's a gig good for? Examples of High Bandwidth Applications
Goal: Understand some examples of what can be done with ultra high speed networks
Moderator: Ed Lazowska, University of Washington
      Guru Parulkar, Stanford University
      David Sailor, Portland State University
      Marge Skubic, University of Missouri
      Marv Schwartz, Case Western
      George Adams, Purdue University
      Hongwei Zhang, Wayne State University
      Jon Taplin, USC Annenberg Innovation Lab

2:15 Tale of Six Cities (continued): Allan Frank, Philadelphia, PA

2:30 Breakout Session: Identify and Articulate an Application or Service
Moderator: Jon Peha, Carnegie Mellon University
Goal: Interact with each other to identify killer apps and articulate how to build them
Why: Novelty, Impact, Importance
How: Approach & Resources needed; Feasibility; Barriers to overcome
What: Metrics for success; How to evaluate outcomes
Participants sit together at round tables of shared area of application interest

3:15 Coffee break

3:30 Report back/Full Room Discussion
Moderator: Jon Peha, Carnegie Mellon University

Session 3: Partnering across Industry, Government, and Universities

4:00 US Ignite Partnership
Introduction: Farnam Jahanian, NSF/CISE AD

Remarks: Aneesh Chopra, OSTP/USG CTO

US Ignite Partnership Discussion
Goals: 1) Identify the range of contributions; 2) Ask partners to promise internal discussions of specific contributions; 3) Identify more partners, including how to reach out to more researchers/app developers

4:45 Closing Remarks, Suzi Iacono, NSF/CISE