

PRELIMINARY AGENDA

***Accelerating Scientific Knowledge Discovery:
“shortening the time to transform scientific data into actionable knowledge by
enabling the dynamic creation of advanced discovery ecosystems.”***

July 11th

1:00 pm Introductory Session

- 1:00 pm Welcome, process, survey
- 1:10 pm Barbara Helland, DOE - the ASCR Extreme Nexus/Plexus roadmap
- 1:40 pm Rich Carlson, DOE - Accelerating Scientific Knowledge Discovery program
- 2:15 pm Small group discussion of the Vision, Science and Challenges and Computational Research implications (Break!)

3:10 pm Computation and Computer Science Research Challenges (Presentation and Discussion)

- 3:10 pm Dynamic resource collection, discovery, allocation and management mechanisms - Michael Ernst
- 3:30 pm Rapid information and knowledge based response and decision making mechanisms - Kerstin Kleese van Dam
- 3:50 pm Composition and execution of end to end scientific processes across heterogeneous environments - Scott Klasky
- 4:10 pm Trust and Attribution - David Skinner
- 4:30 pm Data Fusion - Deb Argawal
- 4:50 pm Knowledge gathering, managing and sharing - Amber Boehnlein
- 5:10 pm Human and Computer Interactions - Barbara Jennings
- 5:30 pm Summary and Prioritization

5:50 pm Preparation of the Report

Introduction to the Report, Survey, review of plan for 12th

July 12th

8:00 am Feedback, Review, Response on Challenges and Report

- 8:00 am Small group discussion of Challenges and Report (breakfast)
- 9:30 am Feedback on the challenges and report from small groups
- 11:00 am Summary and Response from committee members
- 12:00 pm Report comments, editing and completion; Final Survey