

WORKSHOP AGENDA

Wednesday, May 10, 2006

1 – 5 EPSCoR PD/PA Meeting - **Cumberland Ballroom, Salon C/D**

1:00 NSF EPSCoR Presentation
2:00 Program Directors' Meeting
4:30 Program Directors' Report to NSF
5:00 Adjourn

4 – 5 Tennessee State EPSCoR Committee Meeting - **Davidson Room**

6 pm Conference Reception - **Avenue Art Gallery**

Thursday, May 11, 2006

7:00am Continental Breakfast – **Cumberland South Foyer**

8:00 Welcome and Introductions – **Cumberland Ballroom**

Dr. Micah Beck, Steering Committee Chair
Mr. Matt Kisber, TN ECD Commissioner
Mr. Dan Marcum, Chair of the TN EPSCoR State Committee
Dr. Sherry Farwell, NSF EPSCoR Director

Session 1: The State of Cyberinfrastructure

Session Chair: Dr. Micah Beck, University of Tennessee

8:30 Dr. Miriam Heller, NSF Office of Cyberinfrastructure

The NSF CI Perspective; Concept and Opportunities

9:15 Dr. John Cobb, Oak Ridge National Lab

TeraGrid Overview: National Scale Cyberinfrastructure for Science

9:45 Dr. Joe St Sauver, University of Oregon

Understanding National Optical Networks

10:15 **Break**

10:30 Dr. Cherri Pancake, Oregon State University

Making CI Accessible and Appealing to Users: Lessons Learned from Early Efforts

11:00 Panel Discussion: CI Definition and Status; Dr. Micah Beck, Moderator

Dr. Scott Lathrop, Argonne National Lab, *Communities Using TeraGrid*

Dr. Mary Fran Yafchak, SURA IT Program Coordinator

12:00 **Lunch – Tennessee Ballroom**

Thursday, May 11, 2006

Session 2: Applications and Communities – Cumberland Ballroom

Session Chair: Dr. Miriam Heller, NSF

- 1:00 Dr. Frank Williams, Arctic Region Supercomputing Center
Building a Broad Base for CI
- 1:30 Dr. Peter McCartney, NSF
CI Applications to Long Term Ecological Research
- 2:00 Panel Discussion: Community Impact – Moderator, Dr. Greg Sedrick,
Dr. William Sanders, *VT Blacksburg Electronic Village*
Dr. Jeffery Scott Averbeck, *Connecting the Corridor*
- 2:45 **Break**
- 3:00 Breakout Session 1: (See Attachment for details)
What are the prerequisites for successful implementation of Cyber-
infrastructure in your state?
What are the realistic benefits of Cyber-infrastructure deployment in your
State?
- 5:00 Reports from Breakout session
- 5:30 Adjourn ----- Evening is free

Friday, May 12, 2006

- 7:00 Continental Breakfast – **Cumberland South Foyer**

Session 3: Planning and Impact in EPSCoR States – Cumberland Ballroom

Session Chair: Dr. Terry Moore

- 8:00 Panel Discussion: CI Plan Development and Implementation
Dr. John Connolly, University of Kentucky
CI Planning in Kentucky
Dr. Doug Hurley, University of Memphis
The OneTenn Plan
Dr. Bonnie Neas: North Dakota State University
Northern Tier Network
Dr. Alan Sill, Texas Tech University
TIGRE, Implementing Cyberinfrastructure Standards Statewide
- 9:45 **Break**
- 10:00 Breakout Session 2 :(See Attachment for details)
What are the prerequisites for development of a successful CI plan?
What is required for successful plan implementation?
- 11:30 Report from Breakout session
- 12:00 Closing Remarks – Dr. Sherry Farwell
- 12:30 Adjourn Workshop

Workshop Outline
May 10 – 12, 2006
Doubletree Hotel
Nashville, TN

EPSCoR PD/PA Meeting: May 10, 2pm CST

Reception: May 10, 6 pm CST

Session 1: The State of Cyberinfrastructure, May 11, 8 – 12 noon

This session will open with speakers who will address the question “What is cyberinfrastructure?” and review the major organizations and projects addressing the construction and promulgation of cyberinfrastructure regionally and nationally. Opening speakers will include a representative from the NSF Office of Cyberinfrastructure, a representative of a national networking organization such as the National Lambda Rail or Internet2, and a leader of a major computation center such as San Diego Supercomputing Center or the NCSA. Presentations in this session will focus on presenting existing regional cyberinfrastructure projects that are considered successful, and will conclude with a panel addressing the question “What return on investment has cyberinfrastructure shown in the areas which have invested in it heavily?”

Breakouts:

- Collaboratories, Observatories, and Virtual Organizations; and,
- Education and Workforce Development.

Session 2: Applications and Communities May 11, 1 – 5 pm

This session will address the question “What application challenges are specially addressed by advanced cyberinfrastructure and what community activities are enabled?” The speakers will be representatives of application communities that are most heavily dependent on cyberinfrastructure, most likely from non-EPSCoR states where investment has been much greater, for example North Carolina and California. The session will end with a panel of application leaders from within the EPSCoR community addressing the question “To what extent are EPSCoR application communities similar to or different from the leading edge communities we have heard from?”

Breakouts:

- High Performance Computing;
- Data, Data Analysis, and Visualization

Session 3: Cyberinfrastructure Planning and Impact in EPSCoR States
May 12, 8 – 12 noon

This session will address the question “How can cyberinfrastructure be leveraged to benefit the EPSCoR state broadly, and how can a plan be developed which addresses the value of the investment in cyberinfrastructure to communities beyond the major research university?” Speakers will include representatives from state teams that have successfully developed such plans and obtained approval and funding regionally, such as OneTenn and Ohio’s Third Frontier Network. Speakers will also be invited to address the broader impact of cyberinfrastructure on regional development. The final panel will be on practical and political issues of getting a state cyberinfrastructure initiative funded.

Final plenary: Planning to produce the workshop report.