

CYBERINFRASTRUCTURE DAY @ UHD

FRIDAY, NOVEMBER 7, 2008
SPECIAL EVENTS CENTER
UNIVERSITY OF HOUSTON-DOWNTOWN

8:00 - 8:30 **Registration and Coffee**

8:30 - 8:45 **Welcome and Opening Remarks**

Max Castillo, President, UHD

Hossein Shahrokhi, Division of Information Technology, UHD

Richard A. Aló, Executive Director for Grants and Contracts, College of Sciences and Technology, & Executive Director, Center for Computational Sciences and Advanced Distributed Simulation, UHD

Amelia A. Rouse, University of New Mexico, Facilitator

WHAT IS CYBERINFRASTRUCTURE?

8:45 - 9:15 **Opening Keynote**

Overview of Cyberinfrastructure and the Breadth of Its Application

An overview of resources, projects and virtual organizations utilizing and available as cyberinfrastructure for faculty and student research and education.

Presenter: *Geoffrey C. Fox*, Professor of Computer Science, Information Science and Physics, Community Grids Lab, Indiana University

9:15 - 10:00 **National Selected Show Case Projects** (with strong student research components)

Cyberinfrastructure, Remote Sensing, Collaboration and the PolarGrid

Presenter: *Linda B. Hayden*, Professor of Computer Science, Director of Center of Excellence in Remote Sensing Education and Research, Elizabeth City State University

The Texas Learning and Computation Center (TL2C)

Presenter: *S. Lennart Johnsson*, Professor of Computer Science, Mathematics and Electrical and Computer Engineering, Director of the Texas Learning and Computation Center, University of Houston – main campus

10:00 - 10:15 **Break**

10:15 - 10:55 **National Selected Show Case Projects** (with strong curriculum and education components)

Computational Science and Education K-20

Presenter: *Robert M. Panoff*, Executive Director, Shodor Foundation

Cyber-tools and Cyber-Environments for Education

Presenter: *Krishna P. C. Madhavan*, Assistant Professor of Engineering and Science Education

10:55 - 11:15 **National Selected Show Case Projects: Cyberinfrastructure and the Arts**

Cyberinfrastructure, the GridJam and Visual Music

Presenter: *Jack Ox*, Research Professor and Artists in Residence at the ARTS Lab, University of New Mexico

11:30 - 12:00 **National and Regional Organizations Supporting Faculty in Cyberinfrastructure**

Panel Discussion

Russ Hobby, University of California, Davis, Cyberinfrastructure Days and Internet 2

Brad Armosky, TeraGrid and the Texas Advanced Computing Center, University of Texas at Austin

Alex Ramirez, Minority-serving Institutions Cyberinfrastructure Empowerment Coalition (MSI-CIEC) and the Hispanic Association of Colleges and Universities (HACU)

12:00 - 1:00 **Lunch and more door prizes**

HOW CAN UHD BECOME STRATEGICALLY ENGAGED: EXAMPLES, NEEDS & IDEAS

1:00 - 2:15 **UHD Show Case Projects Leveraging Cyberinfrastructure**

2:15 - 4:00 **Benefiting from Cyberinfrastructure: Facilitated Discussion**

Strategic Directions through Examination of the Needs, Strengths, and Funding Opportunities

Facilitator: *Amelia A. Rouse*, Institute for Public Policy, University of New Mexico

4:00 **Special Session**

Computational Science Education

Presenter: *Robert M. Panoff*, Executive Director, Shodor Foundation