NSF CyberBridges Workshop Attracts Leading Researchers

Leading cyberinfrastructure researchers will gather for a workshop in Arlington, VA, on July 15-16, 2013, to initiate new collaborations, encourage networking, and to provide guidance on how to further build the community of cyberinfrastructure researchers. The effort is funded by the National Science Foundation's Division of Advanced Computing Infrastructure.

"Over the past decade, cyberinfrastructure has become an essential element of modern research built on distributed interdisciplinary research groups," stated Thomas Hacker, Project PI from Purdue University. "The workshop will bring together the community of cyberinfrastructure focused CAREER awardees with leading researchers working to advance the frontiers of interdisciplinary research, computational- and data-enabled research, visualization, high performance computing, and education."

Coordination of the NSF-funded workshop is a joint effort by Purdue University and Mississippi State University, and is drawing top cyberinfrastructure faculty from prestigious institutions in the nation to present and discuss challenges and research results in specific areas.

Keynote faculty speakers for the workshop this year will be:

Brian I. Athey, Collegiate Professor and Inaugural Chair of the Department of Computational Medicine and Bioinformatics at the University of Michigan Medical School

Omar Ghattas, the John A. and Katherine G. Jackson Chair inComputational Geosciences, Professor of Geological Sciences andMechanical Engineering, and Director of the Center for Computational Geosciences in the Institute for Computational Engineering and Sciences at the University of Texas at Austin

William Gropp, Thomas M. Siebel Chair in Computer Science, Computer Science Department; Director, Parallel Computing Institute; Deputy Director for Research Institute for Advanced Computing Applications and Technologies at University of Illinois – Urbana-Champaign

Chandrajit Bajaj, Director, Center for Computational Visualization, Institute for Computational and Engineering Sciences and Professor of Computer Sciences at University of Texas at Austin

Steven I. Gordon, Interim Co-Executive Director, Ohio Supercomputer Center

"We're really excited to have recruited several of the top cyberinfrastructure faculty in the nation, in addition to select NSF program directors, to give keynote lectures on their research and education in cyberinfrastructure," explained Suzanne Shontz, Project Co-PI from Mississippi State University. "Several of the NSF CAREER awardees who attended our first annual CyberBridges workshop are returning to the workshop this year. This is due, in large part, to the excellent talks and leadership provided by the nationally- and internationally-acclaimed faculty who spoke at last year's workshop. We expect great things from this year's workshop!"

In addition to the keynote sessions and the discussions that will follow, there will be a poster session that will serve as a forum for attendees to present work from their CAREER projects in order to facilitate new connections and collaborations among researchers. Poster topics will include high-performance computing, parallel computing and distributed storage systems, fault tolerance and error detection, and data visualization.

For more information about the workshop, visit the 2013 NSF CyberBridges Workshop web site.

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