Campus Bridging Workshop Overview

Reducing Obstacles on the Path to Big Answers

Welcome to the Campus Bridging: Reducing Obstacles on the Path to Big Answers workshop, held in conjunction with IEEE Cluster 2015. We have brought together a panel of professionals working with various campus bridging technologies and initiatives across multiple organizations to give a series of talks regarding their areas of expertise.

Campus bridging is a relatively new discipline, occupying the need for national cyberinfrastructure to be accessible to the researchers who rely upon it to complete their work. The goal of campus bridging is to provide resources—whether in terms of consulting and education or cluster management software or simplifying the process of moving data between one resource (such as a laptop) and another (such as a national-tier supercomputer)—for both researchers and the IT professionals who support them.

Printed here are in-depth examinations of two topics that will be discussed in the workshop, but there are a number of other speakers who elected not to publish written materials, and we hope that the following papers will pique your interest. For more information, check out the workshop web page at https://pti.iu.edu/cluster15cb.

Speakers:

- Campus Bridging through Facilitation: The ACI-REF Project, Jim Bottum and Dustin Atkins
- HTC Campus Queue, Rob Quick
- Building Bridges from the Campus to XSEDE, Lee Liming, Ian Foster and Steve Tuecke
- CI Connect: A Service for Building Multi-institutional Campus Cluster Environments, Robert Gardner
- Simple Secure Resource Sharing with the XSEDE Global Federated File System (GFFS) and Execution Management Services (EMS), Andrew Grimshaw