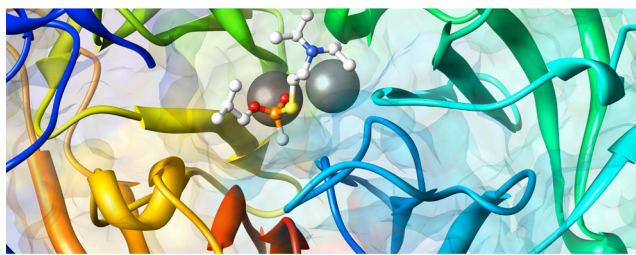


Two back to back Ohio Supercomputer Center Workshops



Workshop 1: Introduction to High Performance Computing at OSC

**Thursday,
October 9, 2014
9:00am - Noon
University of Cincinnati
Langsam Library, Room 475
No prerequisites required**

This half-day session will provide an introduction to OSC resources and how to access them.

Topics include:

- High performance computing concepts.
- Hardware and software available at OSC
- Getting allocations and accounts
- How to connect and log in
- How to move data on and off the systems
- Introduction to batch processing
- Storage and file systems

Workshop 2: Conquering the OSC Batch Environment Why Must I Get in Line? I Want to Run Now!

**Same day & location
1:00 - 5:00pm**

Basic knowledge of Unix expected

Every year since its inception, OSC has found batch processing to be among the top-ranked help topics. Simply put: "How do I get my program to run on the supercomputer?" This hands-on, half-day session not only will answer this question for OSC machines, but also explain how a user can find out useful information about the batch environment infrastructure. Users will be able to submit and run batch jobs with different purposes.

Topics include:

- The basics: Batch environment, batch file format, job submission, job status, return files
- Optional resources: Nodes, cores, memory, accelerators, processing time, software, etc.
- Our virtual waiting room: The PBS batch system, also known as "The Queue"
- How to manage jobs: The command line and our new OSC OnDemand Web Portal
- How to use batch jobs to perform parallel processing
- Useful environment variables related specifically to the batch system



Ohio Supercomputer Center
An OH·TECH Consortium Member

Who Should Attend: New OSC users, or researchers interested in learning about OSC resources.

What You Will Need: Participants who bring a laptop computer will be able to connect to the supercomputers during the workshop. OSC workshop accounts will be provided.