

Service Oriented
**Cyberinfrastructure
Laboratory**

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Thank you!

- Thank you for the honor of presenting a small number of activities I do in your seminar series.

What do we do?

- Problem:
 - Cyberinfrastructure is difficult to use, maintain, and develop
- Research:
 - create an integrated cyberinfrastructure toolkit that eases the situation
 - participate in interdisciplinary projects
 - Water Threat Emergency Management
 - Thermo chemistry
 - Cyberinfrastructure for the deaf and hard of hearing
 - Future: Health Informatics
 - Future: Environmental Science

What do we do?

- Research/Teaching
 - Future/current: New hardware platforms
 - CUDA
 - Playstation Cluster
 - Honors class: cluster on a wall
- Teaching
 - Grid Computing I & II (Fall 2008)
 - Grid Computing II, Winter 2008
 - Cell Processor based supercomputing (Spring 2009?)

Scientific Workflow

- Lets switch to one of the topics