



NOVEMBER 15-21, 2008
AUSTIN, TEXAS

SC Education Program

Paul Gray
OU Supercomputing Symposium
Oct. 6, 2008



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The SC Education Program

- A word on parking
 - Parking is good.
 - Parking is free
 - You will not be ticketed* if you park on the sides of the Colloquium, outside of the gated area.

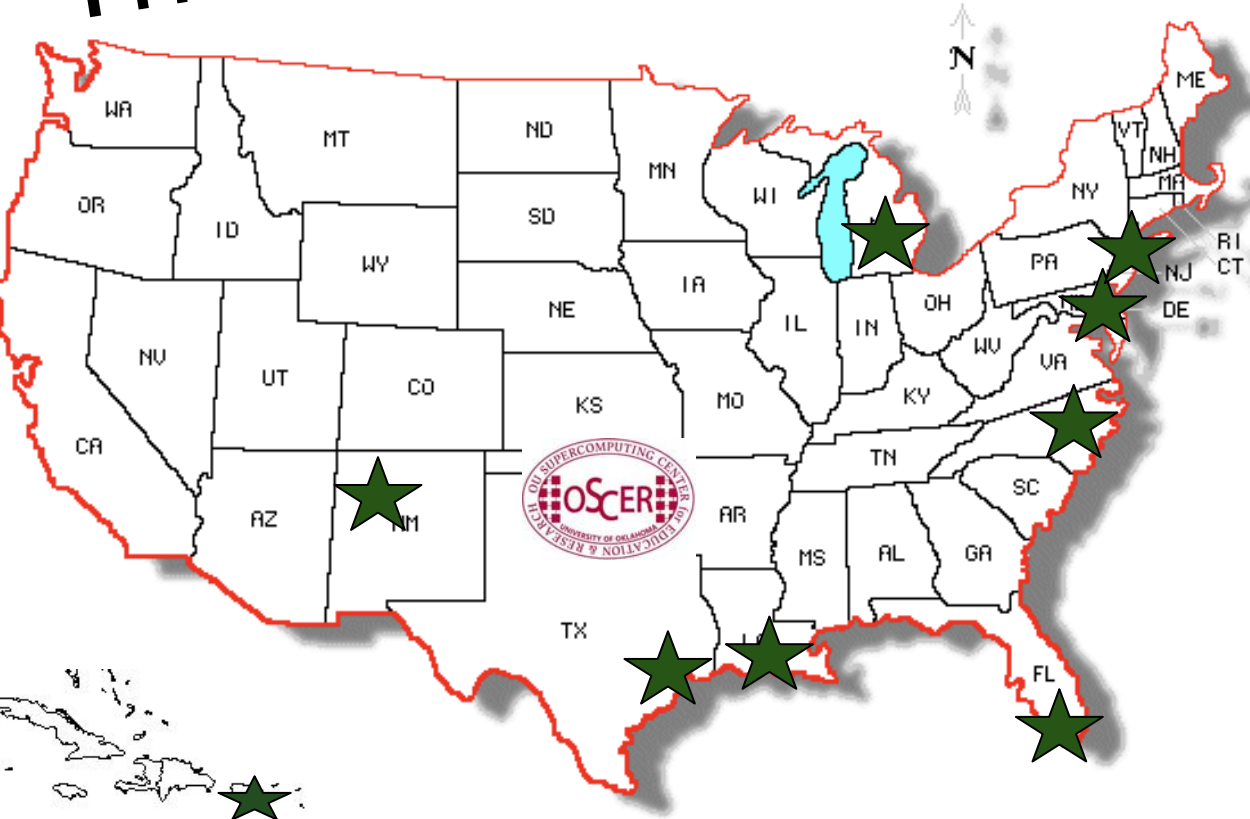
The SC Education Program

- Very unique component of the SC Conference.
 - Year-round program
 - Summer workshops
 - Computational Biology
 - Nanotechnologies
 - Humanities, Arts and Social Sciences
 - Parallel and Distributed Computing
 - Computational Chemistry

The SC Education Program

- OU Workshop, August 10-16, 2008
 - Largest SC Education Program workshop in HPC
 - Well attended, well received
 - People are back for more

The SC Education Program





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The SC Education Program

- Very unique component of the SC Conference.
 - Year-round program
 - Summer workshops
 - On-site Education Program during SC08
 - Austin, TX – Nov. 15-21
 - ~120 Faculty, Administrators, K12 Teachers, and students together from Saturday through Tuesday.



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Goals and Outcomes

- Integrate HPC technologies seen and used at the Supercomputing Conference into the curriculum that we teach.
- Build a community of Educators that are engaged in the Supercomputing Conference
- Be a “support system” for educators in search of relevant, effective teaching materials
- Reduce the “barrier to first use” often experienced with new HPC technologies.

Goals and Outcomes

- Streamline integration (e.g., save you time)
 - Adept
 - Adapt
 - Adopt
 - Teach teachers to become adept at using other people's materials, to adapt them to their own classroom, and adopt them into their teaching
 - Addicted!
 - ...thereby addicting the next generation of students with the power of computational science and HPC tools used for exploration.

Goals and Outcomes

- Ultimate goal:
 - Get educators to flourish and integrate the technologies that are showcased at the Supercomputing Conference Exhibition floor.
 - The SC Conference is the premier international conference on high performance computing (HPC), networking, storage and analysis, and it attracts from all over the world scientists, researchers, software developers, network engineers, policy makers, corporate managers, CIOs and IT administrators from universities, industry and government from all over the world.

Questions?

- Look for a follow-up workshop in 2009 in the area.
- Questions for Henry or me?
- <http://sc-education.org>
- <http://sc08.supercomputing.org>
- <http://www.oscer.ou.edu/education.php>