

NCCS Snapshot

The Week of March 19, 2007

NATIONAL CENTER
FOR COMPUTATIONAL SCIENCES



Oak Ridge National Laboratory
U.S. Department of Energy

Salvaging power from exhaust

UNLV scientists team with GM to turn waste heat into electricity



- Performing first-principles simulation of thermoelectric materials
- Turning heat energy into electricity
- Charging battery and power vehicle systems
- Running 500,000 hours on Jaguar
- Working with teams at General Motors and Brookhaven National Laboratory



Former DOE official Gil Weigand joins ORNL HPC management

Proven technology innovator brings years of experience

- Director of strategic programs and planning – Computing and Computational Sciences Directorate
- Will help develop new initiatives to apply computing power to critical problems
- Served as assistant energy secretary
- Architect behind DOE's highly successful Accelerated Strategic Computing Initiative
- Held key positions at Time Warner, AOL, and CanWest



Gil Weigand

Postdocs like it

ORNL cited by magazine as a great place to work and learn

- On *The Scientist's* list of “best places to work for postdocs”
- Only national laboratory on the list
- Computing and Computational Sciences Directorate hosts ~ 50 postdocs annually



Oak Ridge High School student sponsored to New York competition

Thomas Zacharia presents student with sponsorship check



Partnership with area high school is a “win” for both students and ORNL

- Oak Ridge Business and Information Technology (ORBIT) Academy enables students to gain experience working with area businesses
- Oak Ridge High School senior Sharice Brooks of ORBIT provides support to Computing and Computational Sciences Directorate (CCSD)
- Student supported by CCSD in her trip to New York to participate in the Virtual Enterprise Trade Fair