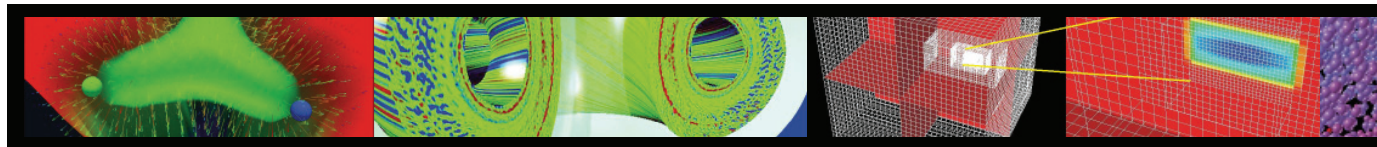# SciDAC Tutorials Day 2010

SciDAC Outreach Center

SciDAC Tutorials for Students, Engineers, and Researchers in HPC

July 16, 2010 in Chattanooga, Tennessee

Registration for this year's SciDAC 2010 tutorials is now open. A day of multi-tracked tutorials will be held July 16 on the campus of the University of Tennessee, Chattanooga (UTC), following the main SciDAC meeting July 11-15 in Chattanooga. The SciDAC outreach Center will be providing transportation between the main conference site, the Chattanoogan, and the UTC campus.

Building on last year's SciDAC tutorials day, the 2010 tutorials will provide instruction and hands-on practice with SciDAC-supported technologies. The tutorials span a wide range of subjects in scientific computing, and focus on bringing the benefits of DOE's investment in SciDAC to new researchers in academia and industry. This is a great venue to learn how to implement your current computational efforts on major HPC resources or to improve your computation by implementing the latest computing algorithms and methods.

At last year's SciDAC meeting over one hundred students and researchers from academia and industry met for a day of presentations and discussions on wide-ranging research problems and topics for which SciDAC Centers and Institutes have developed solutions.

Topics this year include:

- Visualization and Data Analysis Techniques
- Optimization of Parallel Applications and Meshes
- Petascale simulations
- Science gateway, data movement, and grid challenges
- Hands-on tool-kit tutorials for packages in the ACTS and TOPS collections
- Searching and indexing

Full abstracts and registration are available online:
https://outreach.scidac.gov/scidac2010/tutorials/

A multi-tracked agenda based on registration levels will be posted to the same site May 17.

Contact **help@outreach.scidac.gov** for more information.

SciDAC
Scientific Discovery through Advanced Computing

Office of Science
U.S. DEPARTMENT OF ENERGY

CSO 18830