



Aug. 23-29, 2009

CCT Assists in Hosting Cluster Conference 2009 in New Orleans Aug. 31-Sept. 4

The CCT is one of the sponsoring organizations for the 2009 IEEE International Conference on Cluster Computing, which will take place next week at the Hotel Monteleone in New Orleans' historic French Quarter.

Cluster is the premier international conference on cluster computing, focusing on groundbreaking research into 21st-century cyberinfrastructure, including hardware, software, data analysis and storage, networking and applications. The IEEE Cluster series started in 1999, and information about previous events can be found online at <http://www.clustercomp.org>.

Cluster 2009 features tutorials, workshops, a poster session, technical paper sessions and an exhibition area. These sessions will cover a wide range of topics, including parallel and distributed computing, performance optimization, high-performance computing research applications and programming.

Conference keynote speakers include John Gustafson of Intel, David Kirk of NVIDIA and Satoshi Matsuoka of the Tokyo Institute of Technology.

IEEE and the IEEE Computer Society organize this conference annually. Cluster 2009 sponsors include CCT, along with National Science Foundation, Q Logic, Platform, Microsoft, Dell and the Computation Institute at the University of Chicago and Argonne National Laboratory.

Daniel S. Katz, senior computational scientist with the University of Chicago and Argonne National Laboratory, is general chair for the conference. Katz is also an adjunct associate professor in the LSU Department of Electrical and Computer Engineering, and previously led the CCT's Cyberinfrastructure Development division, where he is now an affiliated faculty member. Thomas Sterling, CCT and LSU Department of Computer Science, is Cluster 2009 program chair. Sterling leads the System Science and Engineering Focus Area in the CCT.

For more information or to register and attend the conference, please visit <http://www.cluster2009.org>.

Pats on the Back:

- Andrei Hutanu received a scholarship award from the LSU Staff Senate.

- Brygg Ullmer has been invited to serve as Associate Chair for Papers/Notes at CHI (ACM Conference on Human Factors in Computing Systems) 2010, with responsibilities for papers on tangible interfaces. CHI is the premier international conference for the field of human-computer interaction; typical attendance is around 2,000 people from 38 countries. The conference had 26 papers on tangibles accepted each of the past two years. The conference will take place April 10-15, 2010, in Atlanta, GA. As a related note, the Tangible, Embedded, and Embodied Interaction conference that Ullmer launched with the CCT Mardi Gras Conference in 2007 is now entering its fourth year.
- The journal Nature Physics accepted the paper “VUV frequency combs from below-threshold harmonics.” This paper is a collaboration between LSU Department of Physics & Astronomy Professor Kenneth Schafer’s group at LSU and the experimental group of Jun Ye at NIST/Boulder, and this work is the result of both groups’ collaboration with CCT over the past two years. The reviewers praised the "cutting edge theoretical work" in the paper.
- Professor Thomas Sterling was invited to participate in the proposal kickoff meeting of the Xcaliber Project, conducted at the DOE Sandia National Laboratory (SNL) Computer Science Research Institute in Albuquerque, New Mexico.

CCT in the News:

- LSU Professor Robert Twilley Quoted in New York Times
Source: LSU Communications & University Relations
<http://appl003.lsu.edu/UNV002.nsf/PressReleases/PR5855?OpenDocument>

CCT Welcomes:

- Eun-Hee Park, a post-doctoral researcher joining the computational math group in the Core Computational Science Focus Area. Park is a recipient of a Postdoctoral Fellowship from the Korean Research Foundation.

Lectures This Week:

- Michael Neilan, LSU, will speak Tuesday, Aug. 25 as part of the Computational Mathematics Seminar Series on “Numerical Methods for Fully Nonlinear Second Order PDEs and Applications.” The lecture will take place at 3 p.m. in Johnston 338.
- Michele Benzi of Emory University will give a Special Guest Lecture on Friday, Aug. 28, on “Key Moments in the History of Numerical Analysis.” The lecture will take place at 11 a.m. in Johnston 338.

Please Note:

- The Fall 2009 semester began Monday. If you have questions about student worker

hours or needs for the fall, please contact Brittany Juneau at bjuneau@cct.lsu.edu.

- The ALL CCT meeting for August will take place this Wednesday at 3 p.m. in Johnston 338. LSU's Office of Intellectual Property will make a special presentation at this meeting. Please make every effort to attend.
- Future ALL CCT meetings for the Fall 2009 semester will take place Sept. 23, Oct. 21, Nov. 11 and Dec. 16. All meetings are at 3 p.m. in Johnston 338 unless otherwise announced. Please make every effort to attend these important meetings.
- Registration is now open for the Supercomputing 2009 Education Program at the conference in Portland, which will take place Nov. 14-17. The Education Program helps educators and students learn more about computational science topics and gives educators ideas to bring these topics into their classrooms. The program is open to undergraduate faculty, undergraduate and graduate students, and high school teachers. To register or for more information, please visit <http://computationalscience.org/sc09>.
- Please feel free to suggest nominees, including yourself, for the SC 09 Education Program Awards: <http://sc09.sc-education.org/opportunities/index.php>. Contact Kristen Sunde at ksunde@cct.lsu.edu if you need assistance with this process.
 - The Dr. Robert M. Panoff Student Award for Explorations in Science Through Computation is open to high school, undergraduate, and graduate students exploring science made possible through computation. Deadline to apply is Monday, August 31, 2009.
- The SC09 Student Contest Program is accepting team registrations. This is a competitive programming event, where teams of no more than five students will be given eight to 12 problems from various scientific problem domain areas. The competition will take place Monday, Nov. 16 at the SC09 conference in Portland, Oregon. Awards will be announced on Tuesday, November 18 at an SC09 Education Program plenary session. Register your team today, http://sc09.sc-education.org/conference/studentcomp_signup.php. Deadline to register is Thursday, October 1, 2009.
- Please remember to send your news concerning grants, awards, conferences, or other pertinent information that should be communicated to CCT to PR Manager Kristen Sunde at ksunde@cct.lsu.edu.

Upcoming Grant Deadlines:

Note: Please see the CCT deadline Web site, as many NSF deadlines are listed here: <http://www.cct.lsu.edu/about/grants/deadlines/events.php>

- Information and Intelligent Systems (IIS): Core Programs
August 30 2009 10:00 am

At Most \$ 3,000,000.00 available

http://www.nsf.gov/pubs/2009/nsf09557/nsf09557.htm?govDel=USNSF_25

- Computing and Communication Foundations (CCF): Core Programs

August 30 2009 10:00 am

At Most \$ 3,000,000.00 available

http://www.nsf.gov/pubs/2009/nsf09555/nsf09555.htm?govDel=USNSF_25

- CISE Cross-Cutting Programs: FY 2010

August 30 2009 10:00 am

At Least \$ 3,000,000.00 available

http://www.nsf.gov/pubs/2009/nsf09558/nsf09558.htm?govDel=USNSF_25

- Social-Computational Systems (SoCS)

September 21 2009 10:00 am

At Most \$ 250,000.00 available

http://www.nsf.gov/pubs/2009/nsf09559/nsf09559.htm?govDel=USNSF_25

- CreativeIT

October 13 2009 10:00 am

A Portion Of \$ 7,000,000.00 available

http://www.nsf.gov/pubs/2009/nsf09572/nsf09572.htm?govDel=USNSF_25