



Nov. 7-Nov. 13, 2010

LSU CCT to Display University Research at Supercomputing 2010 in New Orleans, LA

Baton Rouge --- Various researchers from [LSU's Center for Computation & Technology](#), or CCT, will present University research enabled through high-performance computing systems, high-speed networking, advanced software and innovative computational applications during the annual Supercomputing Conference, Nov. 13-19 in New Orleans, Louisiana.

CCT will host a booth during the exhibition portion of the conference, Nov. 15-18, that will feature different research projects that have been conducted through supercomputing, across different areas at LSU. Topics include: coastal modeling, PetaShare data storage, scientific visualization, video game course, multi-touch technology and research, robotics lab, materials science research, thermal energy studies, HPC course, media interaction lab/library, digital media research, Exascale point design study and systems science and engineering.

The booth (#3613) has a digital screen and video-on-demand setup to show short movies of LSU research conducted through high-performance computing. One of the areas featured in the booth is CCT's response research on the Gulf of Mexico's Deepwater Horizon Oil Rig Explosion which includes modeling, data storage, high-speed, high-bandwidth networking connections provided by LONI, and cyberinfrastructure.

Supercomputing 2010, is the premier international conference on high-performance computing and its related tools, technologies and applications. CCT will be distributing information electronically and displaying posters that describe major research projects CCT faculty led in the past year. LSU students will be onsite to present their summer research posters on Wednesday, Nov. 17 from 1-3:00 pm. In addition, a live demo will be presented by Seung-Jong Park titled "(CRON) Cyberinfrastructure for Reconfigurable Optical Networks) on Wednesday, Nov. 17 at 11:00 am.

The booth also will feature information on the [Louisiana Optical Network Initiative](#), or LONI, a state-of-the-art, fiber optics network that runs throughout Louisiana, and connects Louisiana and Mississippi research universities to one another. LONI allows enhanced collaboration on research projects in order to produce faster and more accurate results.

In addition, LSU CCT faculty and staff will contribute to several workshops during SC10. Dan Katz will serve as a panelist during a workshop titled "Early Adopters PhD Workshop 2010" on Monday, Nov. 15, 1:30pm. Jim Lupo will moderate a workforce development panel titled "Developing Support, Engineering and Research Staff" which will include panelists Thomas Sterling, Ed Seidel, Dan Katz and Laurie Rea on Tuesday, Nov. 16, 2:00 pm. Isaac and Kathy Traxler will also be part of a panel to discuss workforce development titled "Recruiting and Training HPC Systems Administrators and Engineers" on Tuesday, Nov. 16, 3:30 pm.

CCT continues its involvement in the planning of SC by filling important committee roles. This year's 2010 LSU CCT committee members are: Gabrielle Allen and Tevfik Kosar, Technical Committee; Bety Rodriguez-Milla and Kathy Traxler (co-chair), Student Volunteer Committee; Kathy Traxler, Teacher's Day and Field Trip Education Committee; and LONI and LSU ITS members; SCinet Team.

"Supercomputing Conference not only highlights the innovative research taking place at LSU, it gives us an opportunity to collaborate with top computational scientists from around the world and learn new ways to apply emerging technologies and software to solve real-world problems in everything from biology and physics to music and the arts," said CCT Interim Director Stephen David Beck.

For a complete overview of CCT's planned activities at SC 2010, please visit the [SC 2010 Schedule](#).

CCT in the News:

LSU Celebrates Homecoming Week for Sesquicentennial

Source: [LSU Media Center](#)

LSU Students Prepare for Supercomputing Competition

Source: [LSU Media Center](#)

LSU Shreveport Program Director to Speak at Festival

Source: [LSU Shreveport](#)

Animation festival showcases industry

Source: [The Advocate](#)

Lecture's This Week:

TUESDAY—There will be a lecture on "Many Big Jobs: Computing in the eXtreme Digital Era" (sponsored by LONI) by Tom Bishop, Center for Computational Science, Tulane University. Access Grid viewing is in 338 Johnston Hall. Live presentation at 101 Stanley Thomas Hall, Tulane University.

Please Note:

- SCIENTIFIC COMPUTING AROUND LOUISIANA (SCALA 2011) January 28-29, 2011 Tulane University, New Orleans
 - Tulane University's Center for Computational Science and the LSU Center for Computation and Technology (CCT) will co-sponsor a meeting to highlight cutting-edge topics in scientific computing, showcase the research at Louisiana institutions and promote collaborations across the state of Louisiana. This meeting is open to any faculty, post-doctoral researcher or student from any college in and around Louisiana. The meeting will start Friday at 1:00 p.m. and run through approximately 5 p.m. Saturday. Registration is FREE, but required. Submission deadline is January 5, 2011 (early submissions encouraged). [Register here](#). For more information, please visit: <http://tulane.edu/sse/ccs/news/scala-2011.cfm>
- The Red Stick International Animation Festival, scheduled for Nov. 10-13 in downtown Baton Rouge, offers guests three badge options for all levels of enthusiast including the All-Access Badge, Gold Badge, or Red Badge. LSU faculty, staff and students can now purchase their badge at a 50% discount at: <https://www.ticketturtle.com/index.php?ticketing=rsiaf>. Special offer code: LSU6. For a list of discounted events, visit: <http://www.cct.lsu.edu/site.php?pageID=63&newsID=1259>
- The Red Stick International Animation Festival has partnered with the Baton Rouge Symphony Orchestra (BRSO) to host a performance of the popular, interactive touring concert Video Games Live on Saturday, Nov. 13, at 7 p.m. in the Baton Rouge River Center Arena. This will be the closing event of the sixth annual festival, which will take place Nov. 10-13, 2010. Video Games Live are on sale through the River Center's [Ticketmaster page](#). There will be a pre-show meet-and-greet event at 5:30 p.m. prior to the performance for all ticket holders. Ticket prices range from \$23 to \$73 per person, depending on seating.
- The 2011 application for National Science Foundation East Asia and Pacific Summer Institutes for U.S. Graduate Students is now available: www.nsf.org. This is a flagship international fellowship program for developing the next generation of globally engaged U.S. scientists and engineers knowledgeable about the Asian and Pacific regions. Fellows are supported to participate in eight-week research experiences at host laboratories in Australia, China, Japan (10 weeks), Korea, New Zealand, Singapore and Taiwan from June to August. The program provides a \$5,000 summer stipend, round-trip airfare to the host location, living expenses abroad, and an introduction to the society, culture, language, and research environment of the host location. **The deadline for the application is November 10, 2010.** The program is intended for U.S. graduate students pursuing studies in fields supported by the National Science Foundation. Women, minorities, and people with disabilities are strongly encouraged to apply. Applicants must be enrolled in a research-oriented master's or Ph.D. program and be U.S. citizens or U.S. permanent residents by the

application deadline date. Should you have any questions, please contact the EAPSI Help Desk by email at eps@nsfsi.org or by phone at 1-866-501-2922.

- LSU Day, a celebration of the University's sesquicentennial anniversary that highlights the various research and education accomplishments of different areas of campus, will take place on Saturday, Nov. 13 from 9 a.m. until 1 p.m., concurrent with LSU Homecoming. At LSU Day, CCT will host a "Visualize This!" exhibit showcasing student research projects and visualization work in the LSU Union computer laboratory. Additionally, the Red Stick International Animation Festival will provide a Best of the Fest reel to screen for audiences in the Union Theatre, and Professor Rudy Hirschheim will perform with Capital Gains, a band comprised of faculty from the E.J. Ourso College of Business. If you would like to participate or have your students participate in the "Visualize This!" exhibit, please contact Sheri Thompson at sthomp8@lsu.edu.
- Prior approval is required for Special Meal Requests. Employees who make meal purchases without prior approvals may find that they must cover the cost of any monies spent for an unapproved event out of pocket, especially now that state funds are under a spending freeze. Please contact Susie Poskonka (susie@cct.lsu.edu) prior to any special meal with visitor(s) to file the appropriate request for approval. Prior approval could take up to one week, so please plan accordingly.
- LSU now has an iPhone app that provides news, video, campus maps, athletics updates, and more. This app is a free download from the App Store or at <http://lsumobileapps.lsu.edu>. The technology coordinators who created this app are adding features, and the app should be available to Blackberry mobile users soon. Please send suggestions for content you would like to see through the LSU app to lsumobile@lsu.edu.
- **Supercomputing Conference 2010 Information and Deadlines:**
 - Follow SC10 with social media to get the latest news, information, and deadlines -- Twitter @ SuperComputing; Facebook group: SC10.
 - Check out the 8th issue of the SC10 Newsletter: <http://sc10.supercomputing.org/files/SC10NewsletterIssue8.html>
 - According to LSU PM13, individuals driving their personal vehicles to New Orleans for SC10 will only be reimbursed a total of 99 miles round trip for mileage.
 - SC10 Lodging information: <http://sc10.supercomputing.org/?pg=hotels.html>. For those staying in New Orleans for SC10, you will need to fill out the Governmental Employees Hotel Lodging Sales/Use Tax Exemption Certificate (R-1376), which can be found on the Accounts Payable & Travel

website: <http://www.fas.lsu.edu/AcctServices/acctpay/forms.html>

- For CCT staff and faculty planning to attend SC10 in New Orleans, the CCT booth will need volunteers to meet and greet visitors. Shifts will be two hours long. The exhibition days when volunteers are needed are Tuesday, Nov. 16, Wednesday, Nov.17 and Thursday, Nov. 18. Please let CCT Events Coordinator Jennifer Claudet (Jennifer@cct.lsu.edu) know if you are interested in signing up and she will let you know the available times.
- A team of LSU students is training to compete in the SC10 Student Cluster Competition. Isaac Traxler, HPC@LSU, is coaching students Jason Kincl, Austin Howick, Kenny Barrons, Tung Le, McKendon LeFleur and Alex Chretien. The team is meeting to practice each Tuesday for the competition, which will take place during the SC10 Conference in New Orleans this November. The students are practicing using high-performance computing clusters and open-source software to solve complex problems. At the competition, which will begin Monday, Nov. 15 during the SC10 Exhibition Opening Gala and will last until the exhibit floor closes on Wednesday evening, Nov. 17, the students will compete in real time as a panel of HPC experts judges them on workload completed, benchmark performance, interviews and outreach. The winning student team will be announced and honored during the SC10 Awards Ceremony on Thursday, Nov. 18. Good luck to the LSU team!
- SC conference attendees are welcome to attend Broader Engagement and Education Program sessions and presentations, including attendees who only have exhibit badges. SC10 also is introducing new registration categories for conference attendees who would wish to participate in associated meals, catered events, or receive program logo merchandise. For more information or to sign up for these programs, please visit:

Registration: <http://sc10.supercomputing.org/?pg=registration.html>

Broader Engagement: <http://sc10.supercomputing.org/?pg=broadeng.html>

Education: <http://sc10.supercomputing.org/?pg=edprog.html>

- Please remember to send your news concerning grants, awards, conferences, or other pertinent information to PR intern Samantha Navarra at snavarra@cct.lsu.edu.
- Follow CCT with social media to access photos and see news, events or updated information. These pages are public; you do not need an account to view the information.
 - [Facebook group](#) : LSU Center for Computation & Technology
 - [Twitter](#) : LSUCCT
 - [YouTube channel](#) : LSUCCT

Upcoming Grant Deadlines:

Note: Please check the [CCT deadline Web site](#), since it is updated daily.

[CISE Cross-Cutting Programs: FY 2011](#)

December 17 2010 10:00 am

At Most \$ 3,000,000.00 available

[Cyberlearning: Transforming Education](#)

January 17 2011 10:00 am

At Most \$ 2,500,000.00 available

[Cyber-Enabled Discovery and Innovation \(CDI\)](#)

January 19 2011 10:00 am

A Portion Of \$ 36,000,000.00 available

*A message from James L. Bates, Executive Director, Office of Sponsored Programs:

“Due to upcoming major deadlines, the Office of Sponsored Programs (OSP) is expecting a very large volume of proposals during the months of October, November and December. Please encourage your faculty and staff to route proposals early so we can meet all deadlines and avoid bottlenecks. Internal deadlines have been established for the Board of Regents proposals:

[http://appl003.lsu.edu/osp/osp.nsf/\\$Content/Board+of+Regents+Deadlines](http://appl003.lsu.edu/osp/osp.nsf/$Content/Board+of+Regents+Deadlines).

For all other proposals during this period, we ask PIs to provide us with additional lead time beyond our normal 3 business day deadline to review and process proposals. Thank you for your cooperation.”