



CCT Weekly March 11- March 17, 2012

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LSU CCT to Display Research, Student & Partnership Activities at TechPAWLoosa

The LSU Center for Computation & Technology (CCT) will showcase their research, student, and partnership activities as part of TechPAWLoosa, March 14 from 10:00 a.m.-2:00 p.m. in the LSU Student Union Royal Cotillion Ballroom. CCT's high-performance computing enablement, high-speed networking, and economic development initiatives will also be featured.

LSU CCT is an innovative research environment, advancing computational sciences, technologies, and the disciplines they touch. Uniting researchers from diverse disciplines helps disseminate ideas and expertise across LSU departments, thereby fostering knowledge and invention. The CCT encourages the University community's involvement in the exciting and groundbreaking activities currently underway.

Activities to be showcased at TechPAWLoosa include:

- 1) High Performance Computing (HPC) Enablement is a program to help users decide if HPC could advance their research. The HPC capabilities available to LSU faculty, research staff, and students include local machines, statewide resources provided by the Louisiana Optical Network Initiative, and national level resources provided by the NSF via the XSEDE project. Consulting resources are available through CCT to help researchers get started, and interaction with XSEDE is facilitated by a local Campus Champion. Stop by to discover the possibilities, see where the future of high performance computing is headed, and discuss what HPC can do for you.
- 2) Students rarely have contact with high-end technology during their studies. A new course offered at LSU in Fall 2012, Scientific Computing (CSC7700 / CSC4999), addresses this issue by extensively using high-end technology and production environments as part of the instruction. As part of the course, professors will share their experiences, exposing graduate and undergraduate students to those environments and tools.
- 3) The Red Stick International Animation Festival, now in its 7th year, is an exciting community event where the worlds of technology, art, entertainment, and exploration converge. Organized by the LSU Center for Computation & Technology, the festival will show retrospective screenings of the very best films from the past six years.
- 4) Interested in App development? Join the Mobile [App|Art|Action] Group (MAAAG) to receive help, connect with others, and get inspired to try innovative things with mobile computing. Check out MAAAG's latest app and pick up information on the upcoming summer iOS Application Boot Camp for LSU undergraduates.
- 5) Traditional musical ensembles consisted of each member bringing and performing on an acoustic instrument. Computers have expanded the variety of musical instruments and interfaces for musical performance, but have retained the same "performer with a personal instrument" paradigm. The Experimental Music & Digital Media program at LSU is exploring alternative ways of making electronic music through shared musical instruments and distributed performance systems. The Nexus project uses developments in HTML5 to share touch screen musical instruments through a Web browser. Anyone with a laptop, iPad, or smart phone can step up and make music.
- 5) Electronic Arts' North American Testing Center will be onsite displaying one of their new 3-D games.
- 6) LSU's Digital Media program will be present to discuss two interdisciplinary academic programs to help students learn the skills they need for careers in the broad, exciting, and emerging field of digital media. The minor will prepare students for careers in fields such as animation, video games, electronic music, and digital art. Some examples of digital media jobs students could pursue after college include:
 - Digital Artist/Animator
 - Character Rigging Artist
 - Digital Technology Manager
 - Game Designers/Developers
 - Digital Sound Engineering
 - Computer Programming
 - Network Development
 - Web Applications
- 6) Apple recruiter, Abdul Savage, will be onsite providing information on Apple's At-Home work program for LSU students.

TechPawLooza! is a day devoted to connecting with LSU students, faculty, and staff to celebrate and acknowledge the abundance of technology being utilized at LSU for academia, for student support and retention, for technology support, and for engaging the education community.

For a complete listing of TechPAWLooza activities, visit <https://sites.google.com/site/techpawlooza12/>

Pats on the Back:

» Congrats to Christian Ott who was awarded a 2012 Sloan Research Fellowship. Awarded annually since 1955, the fellowships are given to early-career scientists and scholars whose achievements and potential identify them as rising stars, the next generation of scientific leaders. Historically awarded in seven scientific fields—chemistry, computer science, economics, mathematics, evolutionary and computational molecular biology, neuroscience, and physics—the fellowships were expanded this year to include awards to eight young researchers working in the ocean sciences. Administered and funded by the Sloan Foundation, the fellowships are awarded in close cooperation with the scientific community. To qualify, candidates must first be nominated by their peers and are subsequently selected by an independent panel of senior scholars. Fellows receive \$50,000 to be used to further their research. For a complete list of winners, visit: www.sloan.org/fellowships/page/21

» Xin Shane Li have been selected to receive a 2011 IBM Faculty Award for \$40,000. This award is highly competitive and recognizes the quality of his program and its importance to the IBM. Shane Li is one of 24 award recipients for fourth quarter 2011. The 24 award recipients represent twenty-two universities across Romania, Jordan, Hungary, Turkey, Canada, United States, China, Egypt, Japan and Switzerland.

Lectures this Week:

TUESDAY --

There will be a Computational Mathematics Seminar Series lecture on "Uncertainty Quantification Algorithms and Applications for High Dimensional Stochastic PDE Systems" by Guang Lin, Pacific Northwest National Laboratory. The lecture will take place Tuesday, March 13 at 3:30 P.M. in 338 Johnston Hall.

Please Note:

» 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. Dine-in restaurant meals are not allowed on LaCarte credit cards. Please contact Susie McGlone (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 two weeks, so please plan accordingly.

» Please remember to send your news concerning grants, awards, conferences, or other pertinent information to CCT Event Coordinator Jennifer Fontenot at jennifer@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

Interest groups:

» **MAG (Mobile App-Art-Action Group)**: Everyone interested in the potential for Mobile Apps is invited to come and add their vision for these revolutionary devices. Meetings are scheduled March 26th and April 23rd, 5:00-6:00 pm For more information visit: <http://www.cct.lsu.edu/MAG>

» Contact: Jesse Allison (jtallison@lsu.edu)

Upcoming events:

March 14: [Training: Introduction to Perl](#)

March 14: [TechPAWLooza](#)

March 20: [Apple At-Home Work Program for Students--Informational Meeting](#)

April 15-17: [Symposium on Laptop Ensembles & Orchestras](#)

June 4-10: [Red Stick International Animation Festival](#)

July 9-13: [Beowulf Boot Camp for High School Teachers & Students](#)

Publish Date:



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