



CCT Weekly May 8-May 14, 2011

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TeraGrid Research Community Reaches Out to Japan (Source: [HPCwire](#))

In response to the multiple disasters that have hit Japan, starting with March 11, 2011, earthquake and tsunami, the world has responded with an outpouring of support. An article from the National Science Foundation's (NSF) TeraGrid cites the importance of reaching out to Japan's science and research sector:

"In addition to the humanitarian crisis, Japan's industrial and research communities have been affected which has global impact. Many of the products we use in our daily lives come from factories that were destroyed. Japan's intellectual contribution to the global research community has been interrupted as the systems many relied on to do their work were demolished. Much collaboration between Japanese and U.S. research groups across all domains of science has ground to a halt."

Here are some of the ways that TeraGrid institutions are helping:

- The Keeneland Project at Georgia Tech (GT) is looking at ways to provide computing and storage resources to Tokyo Tech researchers, so they will be able to continue their important work.
- Indiana University (IU) staff have been studying the earthquake and tsunami data in an attempt to better understand the events.
- With help from volunteers, a Louisiana State University professor along with Japanese colleagues from several institutions collaborated a large-scale tsunami simulation.
- San Diego Supercomputer Center is providing computing cycles and storage to colleagues from the National Institute of Advanced Industrial Science and Technology and Tokyo Institute of Technology so the researchers can analyze satellite data related to the disaster.
- The Texas Advanced Computing Center's Lonestar4 cycles were provided to Japanese researchers from the University of Tokyo, and additional Japanese schools, to model the March 2011 earthquake and tsunami, as well as to map the path of the nuclear radiation.

TeraGrid Program Director Barry Schneider commented on the research partnerships:

"This isn't the first time our TeraGrid family took the initiative to help in a crisis. Hopefully their efforts will help Japanese researchers return to some sense of normality, allow the world to gain a better understanding of earthquakes and tsunamis in general, and prevent future loss. It's a great example of how the U.S. investment in science contributes to global scientific, social, and economic progress."

Lectures:

- **Michael Brylinski**, Georgia Institute of Technology, Center for the Study of Systems Biology. May 10, 10 AM – 11:00 PM, 338 Johnston Hall—Candidate Lecture for the Computational Biologist tenure-track faculty position. Title: "Ligand Homology Modeling as a New Computational Platform to Support Modern Drug Discovery."
- **Wei Ku**, Brookhaven National Laboratory. May 10, 2:00 PM – 4:00 PM, 338 Johnston Hall—LONI/LaSigma Lecture. Title: What do the Rich Magnetic Structures of Iron-Based Superconductors Teach Us About Their Electronic Structure?"
- **Jeremy Speed Schwartz**, Museum of Contemporary Art, Los Angeles. May 11, 3:30 PM – 4:30 PM, 103 Art & Design Building—AVATAR Tenure-track faculty candidate lecture in the digital art & design focus. Title: Imaginary Science: Interactions and Collaborations."
- **Jeremy Speed Schwartz**, Museum of Contemporary Art, Los Angeles. May 12, 2:00 PM – 3:00 PM, 338 Johnston Hall—AVATAR Tenure-track faculty candidate lecture in the digital art & design focus. Title: Alternative Projections: Abstraction, Experimentation and The Body."

Pats on the Back:

- ▶ Congratulations to **Werner Bengler, Shalini Venkataraman, Amanda Long, Ana Buleu, and Steve Beck** (Scientific Visualization Group at the CCT), whose image titled "3-d visualization of Hurricane Katrina making landfall on the Louisiana coast" was recently published on the back cover of the State of Louisiana Comprehensive Annual Financial Report, for the Fiscal Year Ended June 30, 2010.
- ▶ **Honggao Liu** received a supplement to the NSF award titled "TeraGrid Extension: Bridging to XD". The supplement is in the amount of \$171,324 for an additional year.
- ▶ **Theda Daniels-Race** received an award from the Board of Regents titled "Nanoscale Electronic Characterization of Hybrid Electronic Materials". The award is in the amount of \$190,000 for three years.
- ▶ **Mayank Tyagi** is a Co-PI on an award received from BP titled "Functional Design and Sizing for Subsea Capping System". The award is in the amount of \$244,999 for one year.

Please Note:

- Upcoming Purchasing deadlines:
 - o May 18: All requisitions less than \$25k and not on state contract are due to Purchasing
 - o May 20: All requisitions on state contract are due to Purchasing
 - o June 3: All requisitions regardless of dollar value are due to Purchasing
 - o Please email CCT Purchasing Coordinator, Andy Cox (acox8@cct.lsu.edu), the LSU property tag on all moveable (laptop, camera, etc.) and off-campus equipment as soon as possible, if you have not done so already.
- The LSU Center for Computation & Technology will host for the first time the LSU iOS Application Boot Camp August 1-12 (10 day camp; not including weekends) on the LSU Campus. This new educational experience offers LSU freshmen the opportunity to gain knowledge while enhancing their entrepreneurial spirit. Participants will work in groups to create their own operating App and have it loaded on their personal device by end of camp. Registration fee is \$300. For more info and to register, visit <http://www.cct.lsu.edu/iosbootcamp>
- Registration is now open for "Stop Motion Summer Camp," July 11-15, 2011. This exciting summer education opportunity offers high school students a unique opportunity to build upon their interests in animation. Registration fee is \$125. For more information and to register, visit <http://www.cct.lsu.edu/StopMotion>
- Applications for the SC11 Student Volunteer Program will open April 1 and close on August 12, 2011. Undergraduate and graduate students are encouraged to apply as volunteers to help with the administration of the conference. In exchange for volunteering, they will receive complimentary conference registration, housing, and most meals. In addition, limited support will be provided for transportation expenses (such as airfare) for international students and students from groups that traditionally have been underrepresented in HPC. For more information visit <http://sc11.supercomputing.org/?pg=studvol.html> or email student-vols@info.supercomputing.org.
- CCT Faculty, Staff, and Students are invited to the CCT Industry Partner Event/Crawfish Boil on May 26th (4:30 p.m. – 6:30 p.m.) in the Johnston Hall Back Courtyard. Please RSVP no later than May 20th to Susie@cct.lsu.edu. Rain date scheduled for June 2. Guest/children meal tickets can be purchased for \$19.75 pp crawfish; \$3.00 pp hotdog/vege burgers.

- LONI Technical Forum scheduled for July 18-19 at Pennington Biomedical Research Center is now accepting registrations. Participation is FREE. If you wish to suggest a topic for discussion, email Lonnie Leger at Lonnie@lsu.edu. For more information, visit: <http://www.cct.lsu.edu/LONIForum2011>
- 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 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 Claudet 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.
 - o Facebook group : LSU Center for Computation & Technology
 - o Twitter : LSUCCT
 - o YouTube channel : LSUCCT

Upcoming Grant Deadlines:

Note: Please check the CCT deadline Web site, since it is updated daily.
 Software Infrastructure for Sustained Innovation (SI2)
 July 18, 2011 10:00 am
 At Most \$ 1,000,000.00 available

Faculty Early Career Development (CAREER) Program
 July 23, 2011 10:00 am
 At Least \$ 400,000.00 available

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