



**Nov. 28-Dec. 4, 2010**

### **LSU CCT announces software release for relativistic astrophysics research**

The LSU Center for Computation & Technology announces the second release of the Einstein Toolkit (code name "Chandrasekhar"). The Einstein Toolkit is an open, community developed software infrastructure supporting relativistic astrophysics research and education. This release is mainly a maintenance release incorporating fixes accumulated since the previous release in June 2010, as well as additional test suites.

The Einstein Toolkit is a collection of software components and tools for simulating and analyzing general relativistic astrophysical systems that build on numerous software efforts in the numerical relativity community including CactusEinstein, the Carpet AMR infrastructure, and on the public version of the Whisky hydrodynamics code (now modified and called GRHydro).

The Cactus Framework is used as the underlying computational infrastructure for the Einstein Toolkit, providing large-scale parallelization, general computational components, and a model for collaborative, portable code development. The toolkit includes modules to build complete codes for simulating black hole spacetimes as well as systems governed by relativistic hydrodynamics. Current development is targeted at providing additional infrastructure for general relativistic magnetohydrodynamics.

The Einstein Toolkit is primarily supported by the National Science Foundation (NSF). The toolkit consortium comprises several international universities, laboratories and research centers. The Einstein Toolkit Consortium "Chandrasekhar" release team members are: Gabrielle Allen, LSU/NSF; Peter Diener, Frank Löffler, Eric Seidel and Michael Thomas, LSU; Erik Schnetter, LSU/Perimeter Institute for Theoretical Physics; Eloisa Bentivegna and Ian Hinder, Max-Planck-Institute for Gravitational Physics; Tanja Bode, and Roland Haas, Georgia Tech; Bruno Mundim, Rochester Institute of Technology; and Christian D. Ott, California Institute of Technology.

For more information, please visit <http://einsteintoolkit.org>.

**CCT Welcomes:**

- Harsha Bhagawaty joined the HPC Teragrid group as an IT Analyst 2 working in the User Services group of HPC. He is a former LSU graduate who held an assistantship with Nathan Brenner, S.S. Iyengar and Gabrielle Allen in the Department of Computer Science.

**Please Note:**

- The newly released 2010 Components can be found at: <http://www.cct.lsu.edu/home>
- **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>
- 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](mailto: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](mailto:lsumobile@lsu.edu).
- Please remember to send your news concerning grants, awards, conferences, or other pertinent information to PR intern Samantha Navarra at [snavarra@cct.lsu.edu](mailto: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.”