



Events

[Current Events](#)
[Lectures](#)
[Events Archive](#)

Data Intensive Summer School Workshop

brought to you by: Virtual School of Computational Science and Engineering

July 8–10, 2013

The Data Intensive Summer School focuses on the skills needed to manage, process and gain insight from large amounts of data. It is targeted at researchers from the physical, biological, economic and social sciences that are beginning to drown in data. We will cover the nuts and bolts of data intensive computing, common tools and software, predictive analytics algorithms, data management and non-relational database models. Given the short duration of the summer school, the emphasis will be on providing a solid foundation that the attendees can use as a starting point for advanced topics of particular relevance to their work. View complete [COURSE TOPICS HERE](#).

Prerequisites:

- ▶ Experience working in a Linux environment
- ▶ Familiarity with relational data base models
- ▶ Examples and assignments will most likely use R, MATLAB and Weka. We do not require experience in these languages or tools, but you should already have an understand of basic programming concepts (loops, conditionals, functions, arrays, variables, scoping, etc.)

Organizers:

- ▶ Robert Sinkovits, San Diego Supercomputer Center

Lectures will be delivered through high-definition videoconferencing in one of LSU's state-of-the-art classrooms, enabling synchronous audio/video Q&A. In addition to the real-time lectures, students will participate in hands-on lab activities with on-site support from skilled teaching assistants. All students will have access to high-performance computing resources for the duration of the course and will receive certificates of completion from VSCSE.

Registration: \$100, [Register now](#) at the XSEDE Portal!

The other summer school course also being hosted by LSU CCT is on "[Proven Algorithmic Techniques for Many-core Processors](#)" (July 29 - August 2, 2013)". For more information about this course check the [VSCSE web page](#).

About VSCSE

The Virtual School of Computational Science and Engineering (VSCSE) is a national virtual organization whose goal is to develop and deliver a computational science curriculum that accelerates the ability of faculty, staff, and students to use emerging computational resources to advance science and engineering. Developing and delivering appropriate educational resources requires the collaboration of multiple geographically distributed partner sites with the ability to rapidly experiment with new content and forms of pedagogy in response to new opportunities, technical developments, and challenges.

A unique characteristic of the Virtual School is its use of high-definition (HD) videoconferencing technology to assemble a geographically dispersed group of sites into a cohesive HD classroom. In doing so, the Virtual School delivers a quality curriculum to a large number of students at a reduced cost. Moreover, since the resulting cyberinfrastructure is reusable, the per-site cost may be further amortized over time.

Funding and support for the Virtual School are provided by the [Great Lakes Consortium for Petascale Computation](#) (GLCPC), the [National Science Foundation](#) (NSF), the [State of Illinois](#), the [Committee on Institutional Cooperation](#) (CIC), and [Internet2 Commons](#).

Class Location and Directions

Coates Hall, Room 202; Louisiana State University, Baton Rouge, LA

Directions to campus [CLICK HERE](#).

Parking on campus requires a permit. Please stop at the LSU Visitor Center to request one between the hours of 7:30 AM and 4:30 PM located on the corner of Highland Road and Dalrymple Drive.

Campus Map: <http://campusmap.lsu.edu/>

Questions: please contact kjones (at) cct.lsu.edu.

Suggested Lodging

Staybridge Suites - University at Southgate, Baton Rouge
4001 Nicholson Drive, Baton Rouge, LA 70808
Check In: 3:00 PM; Check Out: 12:00 PM
Front Desk: 225-456-5430

LSU Bus (LSU Tiger Trails)

Picks up visitors in front of Staybridge Suites free of charge (near road: Nicholson Road), includes a bus stop right in front of Johnston Hall. View times of operation and bus routes at (Tigerland A, Tigerland B, or Burbank-Ben Hur routes): <https://sites01.lsu.edu/wp/tigertrails/times-of-operation/>
Find your bus: <http://lsu.transloc.com/>



Center for Computation & Technology
2003 Digital Media Center • Telephone: +1 225/578-5890 • Fax: +1 225/578-8957
© 2001–2025 Center for Computation & Technology • Official Web Page of Louisiana State University.