Search

CENTER FOR COMPUTATION & TECHNOLOGY
Interdisciplinary | Innovative | Inventive

LOUISIANA STATE UNIVERSITY

| Home | About ▼ | Focus Areas ▼ | Research ▼ | Divisions ▼ | Programs ▼ | News ▼ | Events ▼ | Computing Resources ▼ | Jobs | Contact Us | | Log In | LSU ▼ |

LSU Beowulf Boot Camp

Events

Current Events
Lectures▼
Events Archive▼

Beowulf Boot Camp for Middle and High School Students

July 8-12, 2019

Louisiana State University

LSU is closed on Friday, July 12th -- CAMP IS CANCELED

Click here for the Schedule

The LSU Center for Computation & Technology (CCT) will host the Beowulf Boot Camp, July 8-12 on the LSU campus. This exciting course offers students a unique opportunity to work with advanced research technology not usually available in a typical classroom setting.

During Beowulf Boot Camp, students will work hands-on with a number of LSU professors as they learn how to build and use supercomputers. Regular participants include: Dr. Steven Brandt, a computational scientist in the CCT who specializes in programming; Dr. Peter Diener, who uses supercomputers to simulate colliding black holes; and others who specialize in diverse areas such as coastal science, and materials science.

Students will engage in the following activities:
- building a computer cluster from scratch
- installing the Linux operating system on the computer they've built
- connecting computers put together by their peers to make a mini-supercomputer
- learning how to program a mini-supercomputer in parallel with Python
- interactive activities to help understand how Parallel computing works in Supercomputing

WHO: Middle and High School Students (entering 6-12th including graduating 12th graders)

This camp is introductory so students do not need a strong computational science background to participate. Some knowledge of programming a plus.

For more information on the Beowulf Boot Camp and its curriculum.

REGISTRATION & COST: $65.00. Supplies, lunches and snacks are provided during the camp. Participants are responsible for arranging their own transportation to and from LSU's campus. CCT will accept participants on a first-come, first-serve basis. Limited seats available so register early. **CLICK HERE TO REGISTER**

WHERE: Louisiana State University, Digital Media Center, 340 East Parker Street, Baton Rouge, LA 70803. Map it!

SCHEDULE: 9:00AM - 3:30 PM, with an optional high-performance camp family night on Friday evening, 5:00 PM - 6:30 PM.

SPONSORS:

Partially funded by NSF, grant titled "Simulations of Competing Phases and Quantum Criticality in Strongly Correlated Materials, DMR1728457".

For questions or special needs, contact Karen Jones at kjones@cct.lsu.edu.

For all LSU Center for Computation & Technology summer camp information, visit https://www.cct.lsu.edu/cct-events.