Los Alamos NATIONAL LABORATORY EST. 1943

LANL Summer Schools

Educational internship opportunities for undergraduate and graduate students

The goal of summer schools is to augment student learning through focused lectures coupled with hands-on real-world projects. The Information Science & Technology Institute (ISTI) organizes, co-sponsors, and/or supports the following summer schools. ISTI enables the execution of LANL's Integrating Information, Science, and Technology for Prediction (IS&T) pillar to address emerging challenges in national security, societal prosperity, and fundamental science.
Visit isti.lanl.gov for more information and to apply to these internship opportunities.

- ## Parallel Computing Summer Research Internship
  Providing students with a solid foundation in modern high performance computing (HPC) topics integrated with research on real problems encountered in large-scale scientific codes
  Target Student: Upper-level undergraduate and early graduate students
  http://parallelcomputing.lanl.gov

- ## Computer System, Cluster, and Networking Summer Institute (CSCNSI)
  Learn the basics of high performance computing system administration. Students work in small project teams to execute real-world projects on computer clusters that they have assembled and configured.
  Target Student: Upper-level undergraduate and early graduate students
  http://clustercomputing.lanl.gov

- ## Co-design School
  Team research project for 6-8 graduate students from varying backgrounds (usually computer science, computational physics, and mathematics) to work on a computational co-design topic, such as novel programming models, on a specific application, such as Hydro- and Molecular dynamics.
  Target Student: Upper-level graduate students
  http://codesign.lanl.gov

- ## Data Science School
  The Los Alamos Information Science and Technology Institute (ISTI) Data Science at Scale School was inaugurated in 2013 to recruit outstanding students to the laboratory to participate in data intensive science projects. Particular focus is placed on using big data technologies to gain insights from science data.
  Target Student: Upper-level undergraduate and graduate students
  http://datascience.lanl.gov

LANL student summer fellowships:

- **Computational Physics Workshop**
  http://compphysworkshop.lanl.gov

- **Los Alamos Dynamics Summer School**
  http://ladss.lanl.gov