

CASE STUDY

Multicore Training at Sandia National Laboratories

Challenge

Sandia National Laboratories delivers innovative scientific and technological achievements in the areas of nuclear weapons, energy and infrastructure, defense systems, and homeland security. As a multiple R&D 100 award winner with computer systems in the www.top500.org ranking, Sandia must continue to advance the leading edge using multicore microprocessors on HPC platforms.

Student Testimonials

"I was extremely impressed and pleased with the breadth of material and the expertise of the instruction provided during the recent multicore course. The instructor's knowledge of the subject matter is exemplary, and the insights he provides are helpful in gaining a more intuitive understanding of multicore design, implementation, and development."

Senior Member of Technical Staff

"Throughout the entire course, the instructor's extensive knowledge of the subject matter helps him tune the course material to the specific needs of the students. NCT-100 strikes the right balance between theory and practice and leaves the student with the theory to carefully design solutions to their parallel problems and the practical tools to know where to turn to implement them."

Senior Member of Technical Staff

About Sandia National Labs

Since 1949, Sandia National Laboratories has developed science-based technologies that support our national security. Today, the 300+ million Americans depend on Sandia's technology solutions to solve national and global threats to peace and freedom.

Sandia is multi-program laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy under contract DE-AC04-94AL85000.



CASE OVERVIEW

Situation

The United States Department of Energy National Laboratory must advance the state-of-the-art, while minimizing technical risk by providing advanced multicore software training to personnel involved in projects critical to national defense.

Solution

nCore's NCT-100 Programming Multicore Processors course delivered on-site in a secure TA (Technical Area) training facility.

Benefits

Thirty scientists and engineers received hands-on, instructor-led training and were able to continue innovating on the latest high-performance computing platforms.

About nCore

nCore Design is a global provider of training and professional services focused on multicore and manycore computing platforms. As the world leader in hands-on, instructor-led training courses, nCore helps clients increase software performance, throughput, and efficiency while reducing time-to-market.

nCore has significant expertise in modern computing platforms and specialized knowledge of applied software optimization techniques. nCore also develops high performance solutions based on state-of-the-art parallel technologies.

nCore is a privately held company with offices in the US and Japan.

To inquire about nCore training at your facility, please call call 971-228-0700 or email info@ncoredesign.com