

Team Number:

School Name: Los Alamos High School

Area of Science: Computer Science

Project Title: Green Computing: A Parallel Processing Approach on Data Encoding Problems

This project addresses energy conservation issues by applying different techniques at the software and hardware level. In this project I would like to investigate the benefit and advantage of applying parallel processing techniques on multicore computing systems. I plan to study the data encoding problems on storage systems, implement a MPI based concurrent encoding software, and conduct performance and energy consumption studies.

Team Members

- Steven Chen

Sponsoring Teacher

- Adam Drew

Project Mentor

- Hsing-bung Chen