

Summer Internships in Science and Technology

2009 Program at a glance

SIST Overview



- 12-15 Undergraduate students (Jr/Sr)
 - Electrical Engineering
 - Mechanical Engineering
 - Physics
 - Computer Science
- 12 week summer program
 - May 19 – August 6

SIST Overview



- Interns are provided at no cost to your department
- Students are expected to write a paper and present their project

Intern Selection



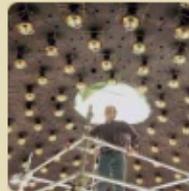
- Application deadline is Feb. 13
 - Application database is online
- Interview top applicants March 2-5
 - You're invited to help out with the selection process!
- Finalists notified March 6th



The goal of this experiment is to find a target material more suitable for the proposed multi-mega-watt 8-GeV proton driver and booster system, which uses multiturn charge-exchange injection. Preparation includes tuning bending and quadrupole magnets and doing calculations of pertinent theoretical values, such as instantaneous current density and average power...

-- Trivia Frazier, SIST 2005

[| more](#)



Summer Internships in Science and Technology

The Summer Internships in Science and Technology (SIST) program focuses on giving opportunities in science and technology to **undergraduate** college students currently enrolled in four-year colleges and universities in the **United States**. Internships are offered to students majoring in **Physics, Electrical Engineering, Mechanical Engineering and Computer Science**. These internships offer a chance for approximately fifteen college students to work with Fermilab scientists or engineers on a project within the context of laboratory research.

The twelve-week program consists of a work assignment, an academic lecture series, and a final report that the intern presents orally to the Fermilab staff and submits to the Laboratory in writing. (Check out the presentations and papers from [2008](#) and [2007](#).) There are no grades or quizzes. The SIST Committee will follow the intern's progress to help ensure his/her maximum benefit from the program.

About Fermilab



Scientists and Engineers at Fermilab carry out research in particle physics and astrophysics. Fermilab's fundamental research advances our understanding of the nature of the universe, from the subatomic world to the big bang...

[| more](#)

SIST History



2009 marks our 38th year! The SIST program is the oldest operating internship program of its kind in the National Laboratory System.

[| more](#)

Job Requests

- Go to the SIST website
- Click on the Staff tab
- Download the Internship Job Form and email to sist@fnal.gov
- The sooner the better!

