

## **Student Undergraduate Laboratory Internship Program (SULI)**

### **Program Description:**

SLAC is a world-renowned Laboratory with research opportunities in physics, chemistry, materials and environmental sciences, scientific computing, and in many engineering fields. The Lab has an exciting program offering summer internships for undergraduate students majoring in science or engineering to conduct research. During the internship, students work with a scientist or engineer on a project related to the Laboratory's research program. At the conclusion of the program, students write a research paper and make a brief presentation on their projects. Students also participate in a program of scientific lectures and tours. Student projects range from solar-cell technology to astrophysics, from cancer drug research to particle physics and accelerator design, and from biocompatibility of medical devices to ultrafast (femtosecond) phenomena. To learn more about the research conducted at SLAC, view our Research Programs. Information on SLAC's scientific computing can be found on the Computing Division website. Past projects include:

- Comparing the Calibration and Simulation Data of the Cryogenic Dark Matter Search
- Solvation Sphere of I- and Br- in Water
- PyDecay/GraphPhys: A Unified Language and Storage System for Particle Decay Process Descriptions
- Data Acquisition in a High Harmonic Generation Lab and at LCLS

### **Application Information**

The 2012 summer program at SLAC lasts for eight weeks, from June 25 to August 17. An additional week of participation through August 24 is optional.

### **Students selected for the internship receive:**

- Stipends
- Travel expenses
- Free housing on Stanford University Campus

### **Important Dates:**

- October 1, 2011: Online Application Opens
- January 10, 2012: Selection Begins
- Program Dates: June 25 to August 17, 2012 (with optional extension to August 24)

### **Eligibility for SULI Internship:**

- United States Citizen or Permanent Resident Alien
- Undergraduate majoring in science or engineering
- Ability to commit to an 8-week program at SLAC

### **To Apply:**

- Complete the Department of Energy's online SULI Internship application
- Specify SLAC as your first choice laboratory assignment

- Send an e-mail to Maria Mastrokyriakos expressing your interest in SLAC program at [mmastro@slac.stanford.edu](mailto:mmastro@slac.stanford.edu)

### **For More Information**

Please download the brochure to learn more about the Science Undergraduate Laboratory Internship Program.

### **Questions**

If you have questions or need assistance, please contact:

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