

HUGS 2014

The 29th Annual Hampton University Graduate Studies Program at The Thomas Jefferson National Accelerator Facility

June 2 – June 20, 2014

Applications are now being accepted for HUGS 2014 to be held at Jefferson Lab in Newport News, Virginia.

Deadline for Fellowship consideration is April 11, 2014.

Through grant support from the United States Department of Energy (DOE), the twenty-ninth Annual Hampton University Graduate Studies (HUGS) Program at the Thomas Jefferson National Accelerator Facility (Jefferson Lab) is scheduled to run from Monday, June 2 to Friday, June 20, 2014. Students will arrive on Sunday, June 1 and depart on Saturday, June 21.

The HUGS Program at Jefferson Lab is a summer school designed for experimental or theoretical nuclear and particle physics graduate students who have finished their coursework and have at least one year of research experience. Students who are well into a research project are encouraged to apply as well. Acceptance into the program is competitive. The program is simultaneously intensive, friendly, and casual. All lecturers are internationally renowned and leaders in their fields. The students will be housed on site at Jefferson Lab, and there will be many opportunities to interact with Jefferson Lab staff, as well as the lecturers, other graduate students and visitors.

The 2014 school will focus on experimental and theoretical topics of high current interest in strong interaction physics. In particular, students will receive excellent insight into the physics to be studied at Jefferson Lab in the upcoming years, as well as related topics of interest in nuclear and particle physics. Speakers and topics for this year include:

Speakers and topics to include.....

- *The Transverse Spin Structure of the Nucleon*, Patrizia Rossi (Jefferson Lab)
- *LHC Physics –Higgs Searches*, Ketevi Assamagan (Brookhaven National Laboratory)
- *Quark Models and Spectroscopy*, Simon Capstick (Florida State University)
- *Spin Sum Rules and 3D Nucleon Structure*, Cédric Lorcé (INPO, Université Paris-Sud and IFPA, Université de Liège)
- *Applications of Renormalization Group Methods in Nuclear Physics*, Richard Furnstahl (Ohio State University)
- *EIC Science*, Christian Weiss (Jefferson Lab)
- *Generic Accelerator Design and MEIC*, Fanglei Lin (Jefferson Lab)
- *MEIC Interaction Region and Detector Design*, Pawel Nadel-Turonski (Jefferson Lab)

In addition to the main lectures, the school will offer topical seminars by Jefferson Lab researchers. During the HUGS Program at Jefferson Lab, students will attend all lectures and seminars offered. The program is simultaneously intensive, friendly and casual. All lecturers are internationally renowned and leaders in their fields. There will be many opportunities to interact with JLab staff, as well as the lecturers, other graduate students and visitors.

We will be able to offer a limited number of fellowships. These will cover tuition, fees, room and board, and will include a small contribution towards transportation expenses. Only in exceptional cases will we be able to provide reimbursement of the student's domestic, second-class round-trip airfare or mileage, whichever is less. Students will need to supply funds for incidentals, extra meals, etc.

To apply to HUGS 2014 at Jefferson Lab summer school, please submit to the address below a completed application, a letter of request for consideration of acceptance into the program, and one letter of recommendation (ideally from your Ph.D. advisor). Submission as such will automatically place the student in the fellowship competition. Requests for exceptional travel support should be included in the application, and commented upon in the reference letter. **The deadline for application submission is April 11, 2014.** Applications will still be accepted after this date but fellowships will only be awarded to students submitting applications by the April 11 deadline. **All students will be notified by April 30, 2014 of acceptance.**

Forward all queries to: HUGS 2014
Jefferson Laboratory
Attn: Tanya-Gaye Stewart, Suite 15, MS-12B ,
12000 Jefferson Ave. Newport News, VA 23606
HUGS2014@jlab.org; <http://www.jlab.org/hugs/>