



28th Annual Hampton University Graduate Studies (HUGS) at The Thomas Jefferson National Accelerator Facility May 28 – June 14, 2013

Applications are now being accepted for HUGS 2013 to be held at Jefferson Lab in Newport News, Virginia.
Deadline for Fellowship consideration is April 2, 2013.

Through grant support from the United States Department of Energy (DOE), the twenty-seventh Annual Hampton University Graduate Studies (HUGS) Program at the Thomas Jefferson National Accelerator Facility (Jefferson Lab) is scheduled to run from Tuesday, May 28 to Friday, June 14, 2013. Students will arrive on Monday, May 27 and depart on Saturday, June 15.

The HUGS Program at Jefferson Lab is a summer school designed for experimental or theoretical nuclear/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 2013 school will focus primarily 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 to include...

- *Nuclear Structure and Reactions*, Brad Sherrill (Michigan State)
- *Form Factors with Electrons and Positrons*, Michael Kohl (Hampton/JLab)
- *Introduction to Statistics*, Elton Smith (Jlab)
- *Applications of Light-Front Dynamics in Hadron Physics*, Chueng Ji (North Carolina State)
- *Perturbative QCD and Transverse Momentum Dependence in Hadronic Collisions*, Ted Rogers (Stony Brook)
- *The Standard Model and the Higgs Boson*, Marcela Carena (Fermilab) – *to be confirmed*

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..

Funding limitations require us to restrict the number of fellowships that will be awarded. Each fellowship will cover tuition, fees, room and board, and reimbursement of most, if not all, of the student's domestic, second-class round-trip airfare or mileage, whichever is less. Foreign students' transportation reimbursement will include most, if not all, travel to and from the point-of-entry into the United States. Students will need to supply funds for incidentals, extra meals, etc.

To apply to HUGS 2013 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. **The deadline for application submittal is April 2, 2013.** Applications will still be accepted after this date but fellowships will only be awarded to students submitting applications by the April 2 deadline. **All students will be notified by April 30, 2013 of acceptance.**

Forward all queries to: HUGS 2013
Jefferson Laboratory
Attn: Tanya Stewart, Suite 15, MS-12B ,
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