



Jefferson Science Associates

Thomas Jefferson National Accelerator Facility

2008 JSA/Jefferson Lab Graduate Fellowship Program

Jefferson Science Associates, LLC (JSA)* plans to award eight fellowships in March 2008 to doctoral program graduate students at SURA member universities for research related to the Thomas Jefferson National Accelerator Facility (Jefferson Lab) in Newport News, VA. **Application deadline: January 25, 2008.** Seven awards are for research related to the theoretical and experimental programs of the Lab, including nuclear and related particle physics, accelerator physics, and associated science and engineering.. An additional fellowship is available for research related to the Lab's free electron laser program.

JSA will award an amount equal to one-half of a normal academic year (~9 months) research assistant stipend paid by the awardee's home institution (the other matching half to be paid by the institution either from institutional funds or research funds provided by the awardee's supervisor) plus a supplemental stipend of \$2000 and an additional \$2000 for university approved research travel support for the student.

Awards are based on competitive evaluation of academic qualifications, references, plan of study, research potential and relevance to the Jefferson Lab research program. If applications for the FEL program fail to measure up in quality to other applications, the eighth fellowship may be awarded for research in nuclear physics and related theoretical and experimental research programs of the Jefferson Lab.

Purpose

JSA fellowships are intended to encourage graduate students to undertake research at the Jefferson Lab by offering financial support beyond that regularly provided to research assistants at their home institutions.

Eligibility

Eligible students are those who are or plan to be enrolled full-time in a university doctoral program at a SURA member university relevant to a research program of the Jefferson Lab. Students may apply at any stage of their graduate careers or while undergraduate seniors. **Awards are limited to two years. Students must re-apply and compete for a second year award.**

Award Amount

The JSA fellowship will provide an awardee's home institution with a stipend amount equal to one-half of a normal academic year (~9 months) research assistantship plus \$2000. The institution must agree to provide a matching half-time research assistantship stipend which, when supplemented by the JSA fellowship, will result in a total award that is \$2,000 above a normal academic year research assistantship.

*JSA is successor to the Southeastern Universities Research Association (SURA) as Department of Energy contractor for management and operation of the Jefferson Lab. SURA is majority owner of JSA; Computer Sciences Corporation, Advanced Technology Division the minority owner. SURA is a consortium of over 60 leading research universities in the southern United States. For more information visit www.sura.org.

Travel Allowance

In addition to the stipend, JSA will provide an awardee's home institution \$2000 for an awardee's research related travel, subject to the home institution rules and regulations. Unused funds should be returned to JSA.

Summer Employment Opportunity

Awardees may be considered by the Jefferson Lab for employment as research assistants at the lab during the summer of 2008.

Application Requirements

The following must be received at the JSA Fellowship Program Office **by January 25, 2008**:

- Completed application form.
- Copy of GRE scores (JSA cannot receive scores directly from the Education Testing Service).
- An official academic transcript.
- Three references, using the reference form.
- Letter from a university official (department chair or higher) agreeing to the matching requirement and stating the dollar amount of the matching stipend.

Required application information should be mailed to:

**JSA Fellowship Program Office
c/o Southeastern Universities Research Association
1201 New York Ave., NW Suite 430, Washington, D.C. 20005**

Selection Criteria

The evaluation of applicants and selection of awardees will be based on the available data including, but not limited to, the following:

- Academic qualifications: academic record, copies of Graduate Record Exam (GRE) scores (both General Test and Subject Test), and letters of recommendation. (**GRE exam scores must be available.**)
- Merit and quality of proposed research. (A statement of applicant's research plan must be included.)
- Utility/relevance of proposed research to Jefferson Lab and proposed utilization of lab resources.
- Likelihood that the proposed research plan objectives can be accomplished by graduation.

Selection Process

Applications are evaluated competitively by a Fellowship Selection Committee which recommends awards to the JSA Programs Committee/SURA Jefferson Lab Committee for approval. **Notification of awards is scheduled for March 2008.**

Conditions of Fellowship Award

- Awardees must be enrolled full-time in study leading to a doctoral degree.
- Awardee may not concurrently hold another major full-time fellowship or traineeship.
- Within 90 days of completing a fellowship, awardees are required to provide a written report to the JSA Fellowship Program Office on accomplishments during the period of the fellowship, including:
 - Results of experimental or theoretical research undertaken at the Jefferson Lab
 - Summaries of talks or lectures based on such research, and
 - Copies of preprints/publications based on such research.