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Fellowship gives grad students extended access to DOE research facilities

Graduate students will have the opportunity for extended work and research at one of several Department of Energy (DOE) facilities as part of a new fellowship.

Beginning with the 2018-19 academic year, the DOE National Nuclear Security Administration Laboratory Residency Graduate Fellowship (DOE NNSA LRGF) will support doctoral candidates working in areas important to national security. Fellows will serve at least two 12-week residencies at one or more of four facilities:

- Lawrence Livermore National Laboratory, Livermore, California
- Los Alamos National Laboratory, Los Alamos, New Mexico
- Sandia National Laboratories, Albuquerque, New Mexico
- Nevada National Security Site, Nevada

The program encourages students to pursue their thesis research during their stays and to take on additional, extended residencies.

Besides introducing fellows to the laboratory system, the DOE NNSA LRGF will promote interactive relationships connecting them and their faculty advisors to laboratory scientists. These collaborations will give students and faculty access to unique and powerful DOE experimental resources and are expected to lead to employment opportunities and advancement within the labs.

The program is open to U.S. citizens working full-time toward a doctoral degree at an accredited U.S. university. At the time they apply, students must be entering their second (or later) year of doctoral study in one of these fields:

- Pulsed power science and engineering
- Radiation magneto-hydrodynamics/nuclear astrophysics
- Atomic physics and visible/UV/X-ray spectroscopy
- Dynamic materials/shock physics
- Accelerator design

Besides the residencies, fellowship benefits include a \$36,000 yearly stipend, full payment of tuition and fees during the appointment period, an annual \$2,000 academic allowance, participation in a yearly program review and more. The fellowship is renewable for up to four years.

All material must be submitted via the online application by March 14, 2018. Visit <https://www.krellinst.org/lrgf/> for information and to apply.

Established by Congress in 2000, NNSA is a semi-autonomous DOE agency and is responsible for enhancing national security through the military application of nuclear science. NNSA maintains and enhances the safety, security, and effectiveness of the U.S. nuclear weapons stockpile without nuclear testing; works to reduce the global danger from weapons of mass destruction; provides the U.S. Navy with safe and effective nuclear propulsion; and responds to nuclear and radiological emergencies in the U.S. and abroad.

The Krell Institute of Ames, Iowa manages the fellowship under a contract with the DOE NNSA.