



# Dr. G. Robert Keepin Nonproliferation Summer School at Los Alamos National Laboratory

June/July 2017



LA-UR-16-23586

Dr. G. Robert Keepin – An Early Architect of International Nuclear Safeguards R&D

# Nonproliferation Summer School

at Los Alamos National Laboratory

**\*\*Spend a summer learning about how game-changing science, engineering and technology are applied to reduce the dynamic threats of nuclear proliferation\*\***

## **Part I: Seminars, Tours, Hands-On Training (4 weeks in June - all participants)**

Nuclear Nonproliferation Concepts & R&D Efforts (1 week)

Treaty Verification & Arms Control Intensive Course (1 week)

Hands-On Training & Technical Tours (2 weeks)

- Hands-on training at the LANL safeguards laboratory where all IAEA inspectors train.
- Hands-on training at the National Criticality Experiments Research Center at the Nevada National Security Site where critical/subcritical experiments are performed with significant quantities of special nuclear material for various national security missions.
- Tour of the Los Alamos Neutron Science Center (LANSCE) Accelerator.
- Tour of the Sedan Crater - located at the Nevada National Security Site - formed in 1962 as part of an excavation experiment using a 104-kiloton thermonuclear device.
- Tours of various Sandia National Laboratory Facilities.
- Tours of various Atomic and Nuclear Museums (Los Alamos, Albuquerque, Las Vegas).

## **Part II: Internship/Science Challenge (up to 6 weeks in July - select participants)\***

Throughout the internship, students will spend most of their time working either individually or in small teams with a LANL staff member on a research project or science challenge that has a strong connection to nuclear nonproliferation.

*\*Applicants may also elect to apply to Part I (first 4 weeks) of the Summer School only.*

**Eligibility:** Participants must be U.S. citizens enrolled in accredited full-time upper-level undergraduate or graduate programs in science & engineering. Students enrolled in international affairs or policy programs may also apply. Limited slots are also available for faculty that are interested in the subject area.

**Cost:** Tuition is free for all accepted participants. A stipend may be provided for students that are also accepted into the research (internship) portion of the summer school & are in need of financial support.

**Deadlines:** Application material should be emailed (pdf only) to [KEEPINschool@lanl.gov](mailto:KEEPINschool@lanl.gov) by Dec 31st, 2016. Applications for Part I of the Nonproliferation Summer School must include a Resume/CV with updated contact information (Email, Phone, Address). If you are also applying for Part II of the Summer School, you must also provide a one-page cover letter, an unofficial transcript, and a letter of university support. Applicants will be notified of decisions by March 1st.

**Questions?** Please email [KEEPINschool@lanl.gov](mailto:KEEPINschool@lanl.gov)



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