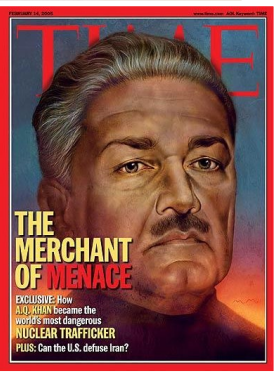

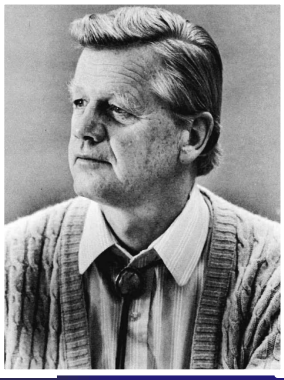

NSSC-LANL

Dr. G. Robert Keepin

Nonproliferation Science Summer Program

June 20 – August 11, 2023

Los Alamos NATIONAL LABORATORY
EST. 1943

NSSC
NUCLEAR SCIENCE and SECURITY CONSORTIUM

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

NSSC-LANL Nonproliferation Science Summer Program

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

Research Internship

Students will spend the majority of their time working either individually or in small teams with a Los Alamos staff member on a research project that has a strong connection to nuclear security science and nonproliferation.

Seminars

Weekly enrichment in nuclear nonproliferation concepts and R&D efforts will provide broad exposure to the LANL mission space.

- Hands-on training at the LANL safeguards laboratory where all IAEA inspectors train
- Tour of the Los Alamos Neutron Science Center (LANSCE) Accelerator as well as the Proton Radiography facility
- Tour of the Dual-Axis Radiographic Hydrodynamic Test (DARHT) facility, critical to performing tests that can assess the nation's nuclear stockpile
- Tours of various Sandia National Laboratory Facilities
- Tours of various Atomic and Nuclear Museums (Los Alamos, Albuquerque)

Eligibility: The program is designed for students from the Nuclear Science and Security Consortium. NSSC students should contact their faculty advisor or the NSSC Program Manager to express interest in the program. A limited number of seats are available for students from outside the Consortium. Participants must be U.S. citizens enrolled in accredited full-time upper-level undergraduate or graduate programs in science & engineering or relevant fields. Preference will be given to graduate-level students.

Cost: Tuition is free for all accepted participants. Acceptance into the Summer Program comes with a standard paid internship, commensurate with academic level.

Deadlines: NSSC students should adhere to their own internal deadlines. For students outside of the NSSC, application materials (PDF) should be emailed to KEEPINschool@lanl.gov by Dec 5th, 2022. Applications must include a Resume/CV with updated contact information (Email, Phone, Address), a one-page cover letter detailing your research interests, and an unofficial transcript. Students enrolled in graduate programs should also provide a letter of endorsement from their academic advisor. Non-consortium applicants will be notified of decisions on a rolling basis by March 1st, 2023.

Questions? Please email rinaudo@lanl.gov or nssc_info@Berkeley.edu

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NSSC NUCLEAR SCIENCE and SECURITY CONSORTIUM

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