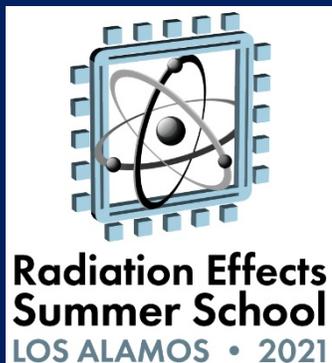


# 2021 Radiation Effects Summer School

## Los Alamos National Laboratory

### June 7 – August 6, 2021

Apply at <http://radfx-school.lanl.gov> by **Jan. 22<sup>nd</sup>, 2021**



The **Los Alamos Radiation Effects Summer School** will begin accepting applications for its 2021 session in November 2020. The summer school will be held at Los Alamos National Laboratory from **June 7 – August 6, 2021**.

#### About the program

The summer school is dedicated to radiation effects testing and data analysis for semiconductors exposed to a variety of radiation environments. Students will work with Los Alamos mentors to undertake hands-on experiments to investigate radiation effects through total ionizing dose (TID) testing, single-event effects (SEE) testing, and laser testing. The program is sponsored by the LANL Center for Space and Earth Sciences and hosted by the Intelligence and Space Research division.

In addition to performing research, students will attend lectures from distinguished researchers visiting from government laboratories, universities, and industry. At the conclusion of the summer school, each student will present their research and complete a first-author abstract ready for submission to a radiation effects conference. Students are also encouraged to enjoy outdoor recreation and cultural opportunities at Bandelier National Monument, the Valles Caldera, the Jemez Mountains, and nearby Santa Fe.

#### Research Topics

Potential research topics include the radiation response of emerging electronic devices; the resilience of algorithms, machine learning, and CubeSat applications exposed to harsh radiation environments; and system-level electrical behavior caused by single events and total ionizing dose.

#### Applicants

Graduate students enrolled in electrical engineering, computer engineering, physics, and related fields are invited to apply at <http://radfx-school.lanl.gov> by Jan. 22<sup>nd</sup>, 2021. Successful applicants will receive the prestigious \$10,000 Cibola Fellowship. Contact program co-directors below for more information.

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