

Dr. Richard E. Anderson has been a criticality safety specialist for 25+ years and has been a Technical Staff Member and LANL for 23+ years. He worked in critical assemblies and experiments from 1986 to 2001, and has been a member of the Nuclear Criticality Safety Group, Los Alamos National Laboratory, since 2001. In his current job assignments, he provides technical criticality safety guidance to LANL organizations, including shipping and transportation, materials storage, process operations, and construction and handling of critical and sub-critical assemblies. He is a subject matter expert in neutron physics, in nuclear experiments, in neutron, gamma ray, and charged particle detection and analysis, and in the fission process and the behavior of fission systems.

Previous Education and Experience: BS, Physics, Virginia Military Institute, 1968; MS, Physics, Purdue University, 1971; PhD, Nuclear Physics, Purdue University, January 1974. Nuclear Physics Post-Doc, University of Colorado, 1973-1978, Visiting Staff Member, Nuclear and High Energy Physics Group (MP-4), LANL, 1978-1980, Assistant Professor of Physics, University of North Carolina at Chapel Hill, 1983-1986, Nuclear Engineer & Critical Experiments Specialist, Rocky Flats, 1983-1986, Technical Staff Member, Section Leader, and Group Leader, Advanced Nuclear Technology Group, LANL, 1986-2001, Technical Staff Member, Criticality safety Group (SB-CS), LANL, 2001- present.

American Nuclear Society: Past President, Nuclear Criticality Safety Division, Working Group Member for Standard ANSI/ANS-8.3, 2002-present.

Current member of the Criticality Safety Support Group (CSSG), a group formed to advise NNSA/DOE on the conduct of nuclear criticality safety in the NNSA/DOE

100+ Publications in Refereed Journals

Past Chair TA-18 Nuclear Criticality Safety Committee
Past member LANL Reactor Safety Committee