

David Louie BIO

David received his Ph.D., M.S., and B.S. in Nuclear Engineering from the University of New Mexico. David has over 30 years+ experiences in nuclear safeties in both the reactor and non-reactor applications. Currently, David is working at Sandia National Laboratories as a PMTS since 2010. He is currently a PI for several projects including the sodium fire research with Japan Atomic Energy Agency for sodium fast reactors under the CNWG program between the U.S. and Japan, and the development of NaSCoRD-Sodium System and Component Reliability Database for DOE. He is also a MELCOR code developer and analyst. He had served as a PI for five DOE NSRD projects. Four of them were on substantiating ARF/RF data in DOE-HDBK-3010. Prior joining Sandia, David was working at Omicron Safety and Risk for 10 years on many safety basis projects in DSA and hazard/accident analysis supports, including sites at LANL, NNSS, Pantex and LLNL. In addition, he worked on many explosion and criticality analyses and co-instructor for criticality safety workshops at Omicron. Prior to Omicron, David was working at Los Alamos Technical Associates for 10 years in the D&D areas, including performing the shielding and criticality analysis support for the Hanford K-Basin spent fuel removal project, and serving as a criticality safety engineer at Rocky Flats decommission project.