

**Bio: Karla R. Elam**

R&D Staff, Nuclear Analysis Methods and Applications Group, Oak Ridge National Laboratory

BS, Chemistry, Southwest Baptist University, 1985

MS, Nuclear Engineering/Health Physics, University of Missouri-Columbia, 1988

PhD, Nuclear Engineering, University of Missouri-Columbia, 1992

Engineer in Energy Systems Waste Management Organization, 1992-1994. Responsible for waste characterization and certification programs for the five sites managed by Martin Marietta Energy Systems for DOE.

Development Staff Member in Chemical Technology Division of ORNL, 1995-1998. Nuclear criticality safety evaluations for the K-25 Site Deposit Removal Program and the Y-12 Plant Enriched Uranium Operations Restart. Other work supported the DOE Fissile Material Disposition Program.

Senior Development Staff Member, Computational Physics and Engineering Division, 1998-present. Evaluate and document critical experiments for inclusion in the International Handbook of Evaluated Criticality Safety Benchmark Experiments. Provide technical support to the ORNL Nuclear Criticality Safety Group and the U.S. Nuclear Regulatory Commission.

Member of American Nuclear Society since 1986, and member of Knoxville/Oak Ridge local section of ANS since 1992.