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Terry Dickson is currently a senior development staff member in the Computational Science and Engineering Division at the Oak Ridge National Laboratory. He has over 30 years of experience in the development and application of software to various areas of engineering analysis.

During 1972-1978, Mr. Dickson worked in the Engineering Analysis Division at the Tennessee Valley Authority in Knoxville, Tennessee, where his primary responsibilities were the development and application of software systems to the structural analysis and qualification of piping systems and components for nuclear power plants. From 1978-1980, Mr. Dickson worked as a results engineer at a 2600 Mw fossil power plant where his primary responsibilities were monitoring and improving the plant heat rate (efficiency) and the balancing of large rotating machinery. During this period, Mr. Dickson became familiar with power plants from an operational systems and control room perspective.

During 1980-1988, Mr. Dickson worked in the Simulation Systems Division of the Arabian American Oil Company in Dhahran, Saudi Arabia, where his primary responsibilities were the continuing development and application of a multiphase fluid flow network simulator used in the optimization of reservoir production strategies and the design of oilfield facilities.

Since 1988, Mr. Dickson has worked at the Oak Ridge National Laboratory. His responsibilities have been the development, implementation, and validation of computational methodologies into software systems for application to issues regarding the regulation of nuclear reactors. More recently, his work has focused on the development and application of the FAVOR (Fracture Analysis of Vessels: Oak Ridge) computer code designed to perform deterministic and probabilistic fracture analyses of aging and increasingly neutron-embrittled light-water nuclear reactor pressure vessels subjected to transient thermal-hydraulically induced loading conditions. The FAVOR code has recently been extensively applied in NRC-sponsored projects to develop technical bases for risk-informed relaxations to the current regulations for pressurized thermal shock and normal operating transients. Mr. Dickson has authored or co-authored over 50 technical papers and reports related to the analysis of aging nuclear power plant components

Mr. Dickson has a B.S. in mechanical engineering from the University of Memphis, a M.S. in engineering science and mechanics, and a M.S. in applied mathematics, both from the University of Tennessee in Knoxville.