Paul T. Williams, Ph.D., P.E.
Senior R&D Staff Member, Modeling and Simulation Group
Computational Sciences and Engineering Division
Oak Ridge National Laboratory
Oak Ridge, TN 37831-6085, USA
Phone: (865) 574-0744
Fax: (865) 576-0003
Email: williamspt@ornl.gov

Dr. Williams has over 35 years of design and R&D experience in the following areas of engineering analysis: computational fracture mechanics, probabilistic fracture mechanics, stress analysis, computational fluid dynamics and heat transfer, process heat transfer, thermodynamic cycle analysis, and thermal-hydraulic design and safety analyses of gaseous diffusion and laser uranium enrichment processes, research nuclear reactor systems, high-temperature phase-change solar energy storage, and cryogenic neutron cold sources. Since the summer of 1997, he has been working on the NRC-sponsored Heavy Section Steel Technology (HSST) program where his primary area of research has been in the field of elastic-plastic fracture mechanics with applications involving structural integrity assessments of nuclear reactor pressure vessels. Dr. Williams is a registered professional engineer in the state of Tennessee.