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Richard Goldfinger is a research staff member of the Modeling and Simulation Group in the Computational Sciences and Engineering Division at Oak Ridge National Laboratory. Dr. Goldfinger earned a Ph.D. in theoretical nuclear physics from Case Western Reserve University investigating direct reaction theory and exchange effects using the Distorted Wave Born Approximation. Since his Ph.D., he has worked on a variety of projects at ORNL with the first 18 years concentrating on plasma theory with the Fusion Energy Division. In addition, he has worked on problems in discrete event simulation, risk and uncertainty models, and a whole range of other physics-based predictive simulations. He has a DOE Q clearance and has done classified work in areas of national security for the DHS, NNSA, and the Army as well as having done a significant amount of computational modeling and development in the unclassified arena.

Dr. Goldfinger has acquired extensive computer programming experience in support of these projects: C++, Visual Basic in Visual Studio.NET, Java, Java Server Pages/Faces, FORTRAN, MATLAB, UNIX, HTML etc.