Dr. John C. Wagner is Group Leader of the Criticality and Shielding Methods and Applications Group in the Nuclear Science & Technology Division at ORNL. John received a B.S degree in Nuclear Engineering from the University of Missouri-Rolla in 1992 and M.S. and Ph.D. degrees from the Pennsylvania State University in 1994 and 1997, respectively. John's Ph.D. thesis work was focused on the development of a new code, A^3MCNP, for automate variance reduction of Monte Carlo shielding calculations based on 3-D discrete ordinates adjoint functions. His M.S. thesis work involved detailed Monte Carlo and discrete ordinates analyses for reactor pressure vessel neutron fluence. Following graduate school, John spent two years with Holtec International performing criticality safety analyses for spent fuel storage pools and casks and assisting with shielding analyses for storage and transport casks. John joined ORNL in 1999 where he has been involved in a variety of research and analysis activities, including burnup credit and criticality safety for spent fuel storage and transport, shielding code development, development and application of automated variance reduction methods, spent fuel characterization, and radiation treatment planning simulations. In 2003, John became Leader of the CSMA group, where he coordinates the efforts of 11 technical staff members. John's research interest include: variance reduction methods, radiation shielding, burnup credit, criticality safety, and spent fuel characterization.