

Jeffrey A. Nichols, Ph.D.

**Associate Laboratory Director
Computing and Computational Sciences**

Dr. Nichols became the associate laboratory director for ORNL's Computing and Computational Sciences Directorate in April 2009. In this position, he oversees the Department of Energy's (DOE) National Center for Computational Sciences (NCCS), the site of the National Leadership Computing Facility, which delivers state-of-the-art scientific research and technological innovations. He leads the Laboratory's agenda in advanced high-performance computing in priority areas such as climate change, nuclear energy, fusion energy, nanotechnology, and biotechnology.

Dr. Nichols holds a B.A. in Chemistry and a B.A. in Mathematics from Malone College, in Canton, Ohio; and a Ph.D. in Physical Chemistry from Texas A&M University. He has more than 25 years experience as a theoretical chemist and software developer, and has held professorships at Malone College, Ohio; the University of Utah; and the Georgia Institute of Technology. He is author or co-author of four software applications, the co-author with J. Simons of "Quantum Mechanics in Chemistry, A textbook in quantum chemistry for the beginning graduate student" (1997), and of more than 60 research papers in chemistry, and in mathematical and computational applications.