



*Dr. David J. Dean
Senior Advisor, Office of the Under Secretary for Science, U.S. Department of Energy*

Since August, 2009, Dr. Dean has been the senior advisor to Dr. Steve Koonin, Under Secretary for science at the U.S. Department of Energy. In this role, Dr. Dean develops strategies and tactics that implement the scientific goals of the DOE leadership. Dr. Dean's portfolio for the Under Secretary involves a wide variety of issues, including pursuing the next generation of extreme-scale computing, bringing modeling and simulation to bear on energy-related problems relevant to industry, and climate change and its implications, among other matters. From 2007–2009, Dr. Dean was the director of institutional planning in the director's office at Oak Ridge National Laboratory (ORNL) where he initiated laboratory-wide, cross-cutting Laboratory Directed Research and Development (LDRD) initiatives in climate change science, bio-sustainability, and electrical energy storage, and where he worked with the laboratory leadership to develop the laboratory's strategic direction over the coming years.

Dr. Dean's background is in computational physics and nuclear theory. He has authored over 150 scientific publications, served on various advisory committees including the DOE/NSF Nuclear Science Advisory Committee, the National Superconducting Cyclotron Laboratory Program Advisory Committee, and the NERSC Users Group Executive Committee (as chair). Dr. Dean is a division associate editor of *Physical Review Letters*, a fellow of the American Physical Society, a visiting professor at the University of Oslo's Center of Mathematics for Applications, and former Associate Director the Japan-U.S. Theory Institute for Physics with Exotic Nuclei (JUSTIPEN) located in Wakoshi, Japan.

Dr. Dean obtained a Ph.D. from Vanderbilt University in 1991 and was a post-doctoral fellow at Caltech from 1992–1995. In 1997 he won a Presidential Early Career Award for Scientists and Engineers for his work in the development of computational methods related to the solutions of the nuclear quantum many-body problem.