

## DOUGLAS G. BOWEN, PH.D.

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**Section Head of the Nuclear Criticality Safety, Nuclear Data, and Radiation Transport Groups, in the Nuclear Energy and Fuel Cycle Division at Oak Ridge National Laboratory (ORNL)**



**DOE/NNSA Nuclear Criticality Safety Program Execution Manager**



Dr. Bowen has nearly three decades of experience in nuclear criticality safety (NCS) and has served in advisory and program roles across industry and government in his role at ORNL. He is the Section Head of the Nuclear Criticality Safety, Nuclear Data, and Radiation Transport Groups at ORNL (since 2020) and serves as the DOE/NNSA Nuclear Criticality Safety Program (NCSP) Execution Manager for NNSA NA-ESH (since 2017).

Dr. Bowen is an NCS expert who has performed numerous site program reviews at DOE and NRC facilities and has authored hundreds of NCS evaluations as an NCS engineer at the Paducah Gaseous Diffusion Plant, Los Alamos National Laboratory, and at ORNL. He is the current chair of the ANS-8 Subcommittee and Convenor of ISO TC85/SC5, WG8 for consensus standards related to fissionable material outside of nuclear reactors, and a member of the Nuclear Criticality Safety Consensus Committee. He is an *ex officio* member of the DOE Nuclear Criticality Safety Coordinating Team, and the NCSP Nuclear Data Advisory Group. He also serves as the NCSP Training and Education Coordinator for the program NCS 2-week, 1-week and Non-Destructive Assay hands-on courses.

Dr. Bowen received his B.S., M.S., and Ph.D. in Nuclear Engineering from the University of New Mexico. He is a recipient of the American Nuclear Society (ANS) Standard Service Award, and the Distinguished Service Award from the ANS Nuclear Criticality Safety Division. He has also received two Distinguished Performance Awards from Los Alamos National Laboratory. He served as the chair of the ANS Nuclear Criticality Safety Division in 2011-2012.

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