



Alan S. Icenhour
Associate Laboratory Director
Nuclear Science and Engineering

Dr. Alan Icenhour is the Associate Laboratory Director (ALD) for the Nuclear Science and Engineering Directorate (NSED) at the Oak Ridge National Laboratory (ORNL). NSED operates state-of-the-art nuclear facilities and conducts technology research, development, and application programs that impact a large range of fields from basic science to reactor development to national security. As ALD, Dr. Icenhour leads three research divisions (Fusion and Materials for Nuclear Systems, Nuclear Security and Isotope Technology, and Reactor and Nuclear Systems), one operating division (Nonreactor Nuclear Facilities), and the Consortium for Advanced Simulation of Light Water Reactors, the U.S. Department of Energy's first energy innovation hub. NSED mission areas include research and development (R&D) for both fission and fusion technologies; advanced modeling and simulation; stable and radioactive isotope R&D and production; research, development, and deployment of technologies to address nuclear security challenges globally; and safe and efficient operation of ORNL's nuclear facilities.

Prior to his role as ALD, Dr. Icenhour has served as the director of three ORNL divisions: the Global Nuclear Security Technology Division, the Fuel Cycle and Isotopes Division, and the Nuclear Security and Isotope Technology Division.

Dr. Icenhour joined ORNL in 1990. His more than 30 years of nuclear experience have included R&D on a range of fuel cycle topics such as enrichment, radiochemical processing, stable and radioisotope production, nuclear fuels, radiation effects on materials, radioactive waste management, and nuclear security. He completed a 21 month special assignment in Washington, D.C., as a Senior Technical Advisor to the Proliferation Detection Program within the Office of Nonproliferation Research and Development (NA-22) of the National Nuclear Security Administration.

Before joining ORNL, he served as a commissioned officer in the U.S. Navy on a nuclear powered submarine. After leaving active duty, he continued his service with the Navy as an active reservist, retiring in August 2010 at the rank of Captain (O-6). He received his B.S. degree in nuclear engineering from North Carolina State University, and his M.S. and Ph.D. degrees in nuclear engineering from the University of Tennessee. He is an Adjunct Professor of Nuclear Engineering at the University of Tennessee. He is a fellow of the American Nuclear Society and a member of the Institute for Nuclear Materials Management.