

Bobby Seidel worked at Argonne National Laboratory where he led and participated in a wide range of initiatives to improve nuclear fuel and structural material performance for several reactor types. He contributed to the understanding of EBR-II metallic driver fuel performance and lifetime that led to improvements in design and a several-fold increase in useable lifetime. His testing and qualification of metallic fuel for off-normal conditions enabled EBR-II to demonstrate features of inherent passive safety. His efforts also led to the fabrication and irradiation of the first large-scale plutonium-bearing metallic fuel assemblies in EBR-II and FFTF that laid the foundation for the development and demonstration of the Integral Fast Reactor concept.

Dr. Seidel championed the Argonne West summer intern and faculty programs, which was one of his most satisfying activities. Not only did hundreds of interns assist technically for a summer or more but also many returned to the Laboratory where they continue to lead in technology development.

Seidel has numerous publications and one patent. He has been active in local and national professional societies, and his contributions have been recognized with three American Nuclear Society Distinguished Service Awards.

Dr. Seidel holds both M.S. and Ph.D. degrees in Materials Science from Northwestern University and a B.S. in Metallurgy from Montana College of Mineral Science and Technology.