

William J. Weber
Governor's Chair Professor
Department of Materials Science and Engineering
University of Tennessee
Knoxville, Tennessee 37996

Dr. William J. Weber is currently the Governor's Chair Professor for Radiation Effects on Materials in the Department of Materials Science and Engineering at the University of Tennessee, with a joint appointment at Oak Ridge National Laboratory. He also serves as Director of the Ion Beam Materials Laboratory. He received his BS (1971) in Physics from the University of Wisconsin, Oshkosh, and his MS (1972) and PhD (1977) in Nuclear Engineering from the University of Wisconsin, Madison. In 1977, he joined the staff of Pacific Northwest National Laboratory (PNNL) and was appointed Laboratory Fellow in 1997. In 2010, he joined the faculty at the University of Tennessee. Dr. Weber is internationally recognized for his work on radiation effects and ion beam modification of ceramics. Much of his current research is focused on the effects of energy dissipation processes on the production and evolution of defects and nanostructures in ceramics, as well as on the long-term performance of nuclear ceramics. He is a Member of the EU Academy of Sciences and a Fellow of the American Ceramic Society, the American Association for the Advancement of Science, the Materials Research Society, the American Physical Society and Ion Beam Society of India. He is a recipient of the James I. Mueller Award (American Ceramic Society), Lee Hsun Lecture Award (IMR, Chinese Academy of Sciences), Outstanding Young Alumni Award and Distinguished Alumni Award (University of Wisconsin-Oshkosh), the PNNL Laboratory Director's Award for Individual Lifetime Achievement in Science & Technology; and the PNNL Chester L. Cooper Mentor of the Year Award. He has chaired over 30 international conferences, society symposia, and topical workshops, and he previously served as a principal editor for the Journal of Materials Research for 18 years.

Dr. Weber has published over 555 journal articles, 114 peer-reviewed conference papers, 13 book chapters, and 54 technical reports. His work has been widely cited: with more than 25,000 citations and an h-index of 76 (Google Scholar); 18,500 citations and an h-index of 66 (Web of Science). He has delivered over 225 invited presentations at scientific conferences, workshops, research institutions and universities.