

**Dr. Sherry L. Hunt** is the supervisory civil engineer, Hydraulic Engineering Research Unit (HER), Agricultural Research Service (ARS), United States Department of Agriculture (USDA), Stillwater, Oklahoma. In addition to this role, she serves as the Acting Location Coordinator for the USDA ARS Stillwater, Oklahoma location and the agency's Dam Safety Officer.

With more than 20 years of professional experience, Dr. Hunt is an internationally recognized authority in the physical modeling of hydraulic structures and embankment breach. Her expertise in air entrained phenomena and development of stepped spillway technology has extended the planned service life of dams throughout the United States and Europe and has preserved millions of dollars in annual benefits these dams provide. She has collaborated with scientists from around the world on stepped chutes and associated stilling basins. Dr. Hunt has teamed with engineers in the development of WinDAM (Windows Dam Analysis Modules) software for predicting breach erosion and failure of earthen embankments. This software has been adopted by the USDA Natural Resources and Conservation Service, U.S. Bureau of Reclamation, U.S. Army Corps of Engineers, and international engineering consultants and scientific community to analyze and/or prioritize dams and levees for rehabilitation around the world. Her research helps emergency managers, city planners, and policy makers with making decisions on establishing zoning regulations and improving flood inundation maps and emergency action plans.

Dr. Hunt has made several notable contributions to the engineering and scientific profession. These contributions include authoring and co-authoring more than 100 peer reviewed articles, book chapters, conference proceeding papers, and other publications and making more than 100 technical presentations worldwide including more than 50 by invitation. In addition, she serves as the co-chair of the Federal Emergency Management National Dam Safety Review Board research work group and as a committee member on World Bank funded dam design and construction projects for the U.S. Departments of State and Treasury.

Dr. Hunt has received many awards throughout her career. Most notably, she was selected as a science and environment category finalist for the Samuel J. Heyman Service to America Medals in 2021. In addition, she has received two international awards and three Presidential Citations from the American Society of Agricultural and Biological Engineers and a national award from the Association of State Dam Safety Officials. Dr. Hunt is also a member of Alpha Epsilon, Phi Eta Sigma, Omicron Delta Kappa, and Sigma Xi honor societies.