

Instructor Biographies

Jasper O. Hardesty, PhD



Jasper (Joe) Hardesty is a Principle Member of Technical Staff at Sandia National Laboratories in Albuquerque, New Mexico. Dr. Hardesty is a chemical engineer and architect, having received his PhD in Chemical Engineering from Stanford University in 2008, a BS in Chemical Engineering from the University of New Mexico in 2001, and a BS in Architecture and Urban Planning from the University of Illinois in 1981. For over 20 years, Dr. Hardesty has been a licensed architect with extensive experience on commercial and public projects including university laboratories, hospitals, prisons, industrial semiconductor fabrication facilities, atmospheric research facilities, and campus master plans, among others. He joined Sandia National Laboratories in 2008, following completion of his dissertation on the study of enzymatic catalysis at interfaces. While at Stanford, he was responsible for developing and implementing a safety and security program; with specific oversight of four chemical research labs for over four years. At Sandia, Dr. Hardesty has been involved in research that includes enzymatic and hydrothermal processing of biofuels, enzymatic and chemical processes for decontamination of surfaces, food safety/defense and consequence analysis of contaminated foods, analysis of environmental sampling methods of contaminated surfaces, modeling of electrical utilities and applications of microgrids, solar-thermal building systems analysis, evaluation of disaster-resistant building design, and energy-water resource assessments for Native American Tribes. To date, he has authored/coauthored 6 scientific papers, numerous technical reports, and has served to review domestic and international research funding proposals to the US Department of Energy.

Linda Stiles, MS



Linda Stiles is a Principal Member of Technical Staff at Sandia National Laboratories and is a project manager for the International Chemical Threat Reduction Department under the U.S. Department of State's Chemical Security Engagement Program. Ms. Stiles is a certified industrial hygienist (CIH) and certified hazardous materials manager (CHMM) with over 17 years of experience in the fields of occupational and environmental health. She is a member of the International Affairs Committee of the American Industrial Hygiene Association and teaches the toxicology rubric for the annual Institute of Hazardous Materials Management CHMM examination prep course. Prior to joining Sandia, Linda held the position of senior industrial hygienist at Los Alamos Laboratories and Southwest Environmental Health (SWEH). During her tenure with SWEH, she provided exposure assessment, confined space, respiratory protection, industrial ventilation, and hazard communication consultation for Intel Corporation, General Electric, and Pharmacia-Upjohn. Ms. Stiles has a MS in toxicology from the University of New Mexico and is currently seeking a PhD in Public Health Epidemiology at Walden University.