

Dr. Barbara Jennings is a Senior Member of Technical Staff at Sandia National Laboratories, where she is a Systems Research Analyst in the Policy and Decision Support Analytics Department for the Center for Geoscience, Climate and Consequence Effects. This department is responsible to the Department of Homeland Security for Sandia's support of the National Infrastructure Simulation and Analysis Center (NISAC) which performs modeling and simulation of infrastructure impacts due to actual and potential disasters, analysis of effects to critical infrastructure including their interdependencies, vulnerabilities, economic consequences, and cyber impacts. Sandia is a multidisciplinary laboratory with a diverse research mission addressing energy and climate, homeland security, nonproliferation, defense systems, high performance computing, and maintenance of the nation's nuclear stockpile.

Barbara has been with Sandia for 25 years and has contributed to a wide range of research. Prior to her work as a research analyst she designed secure inter-lab knowledge sharing systems, worked with simulation and visualization codes using leading edge super-computers, and developed early Internet application technologies. Dr. Jennings' recent research interests/expertise comprise contributing to the study of several critical areas including: near earth objects effects (through developing impact analysis on critical infrastructure, resilience in commercial building, and design of a mobile application to provide augmented reality in text. Barbara holds a Ph. D. in Organizational Learning and Instructional Technology from the University of New Mexico, and Master's and Bachelor's degrees in Business Administration and Management of Information Systems from the College of Santa Fe in New Mexico.