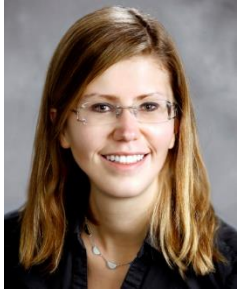


### **Irina Tezaur, Ph.D.**



Dr. Tezaur is currently a Distinguished Member of Technical Staff in the Quantitative Modeling & Analysis Department at Sandia National Laboratories in Livermore, California. She began her research career at Sandia in 2007. Since then, she has had the opportunity to experience research in three of the lab's centers, the Engineering Sciences Center, the Center for Computing Research and the Center for Homeland Security, spanning Sandia's two main sites (Albuquerque, NM and Livermore, CA). Dr. Tezaur has published ~28 peer-reviewed articles and more than 20 technical reports, white papers and conference papers, and has been a lead developer of several open-source codes. In 2019, Dr. Tezaur was awarded the Presidential Early Career Award for Scientists and Engineers for "developing new, impactful mathematical methods and computer algorithms to enable real-time analysis, control and decision-making on computationally prohibitive problems relevant to the nuclear security mission and climate modeling". Dr. Tezaur holds a Ph.D. in Computational & Mathematical Engineering from Stanford University, in addition to a B.A. and M.A. in Mathematics from the University of Pennsylvania. Her research focuses broadly on developing algorithms and software to enable the modeling and simulation of complex multi-scale and multi-physics problems using high-performance computing. Her research interests include numerical solution to partial differential equations (PDEs), mixed/hybrid finite elements, reduced order modeling (ROM), multi-scale coupling methods, and climate modeling.