

Anthony A. Giunta
Biographical info
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Dr. Anthony A. Giunta is the manager of the Validation and Uncertainty Quantification Processes Department at Sandia National Laboratories in Albuquerque, New Mexico. Also, Dr. Giunta is the Program Element Manger for Verification & Validation in Sandia's Advanced Simulation and Computing (ASC) Program. In this capacity, he leads a broad array of research, software development, and engineering application projects which are focused on supporting safety, security, and reliability assessments for the U.S. National Nuclear Security Administration. In addition, Dr. Giunta and his teams are engaged in numerous collaborations spanning academic, industrial, and government organizations, including the U.S. Department of Defense and U.S. Department of Homeland Security.

Prior to entering management, Dr. Giunta was engaged in various research studies and engineering assessments for Sandia National Laboratories. His research interests include quantification of margins and uncertainties methods, verification and validation methods, multifidelity physics modeling, high performance computing, and system design optimization. Prior to joining the technical staff at Sandia, Dr. Giunta was a postdoctoral fellow of the U.S. National Research Council in residence at the NASA Langley Research Center in Hampton, Virginia. In 1997, he earned a Ph.D. in Aerospace Engineering from the Department of Aerospace and Ocean Engineering at Virginia Tech in Blacksburg, Virginia. He has over 60 technical publications, and is a senior member of the American Institute of Aeronautics and Astronautics.