

Dr. Ananthakrishna Sarma
Senior Scientist
Science Applications International Corporation
1710, SAIC Dr., McLean, VA 22102 USA
e-mail: sarmaa@saic.com, Ph: 703-676-7017



Dr. Sarma is a Senior Scientist at Science Applications International Corporation, specializing in the numerical simulation of planetary atmospheres. He was instrumental in the design and development of a state of the art atmospheric simulation system, Operational Multiscale Environment model with Grid Adaptivity (OMEGA), which combines the best methods offered by the fields of Computational Fluid Dynamics (CFD) and Numerical Weather Prediction (NWP). His current activities include the application of OMEGA to reconstruct high-resolution climatologies, developing route optimization algorithms for airships, and the dispersion of hazardous materials in the atmosphere. During his tenure at SAIC from 1986 he has worked on problems ranging from the numerical simulation of the fallout of radioactive material from nuclear explosions to simulation of natural events such as hurricanes and terrain-induced flows and dispersion of airborne materials.

Dr. Sarma is an expert in numerical weather prediction, cloud microphysics, atmospheric chemistry and high performance computing.

Dr. Sarma received a M. Sc. in Mathematics from University of Kerala, India, a MS in Meteorology from South Dakota School of Mines and Technology, and a Ph. D. in Atmospheric Science from Colorado State University.

Dr. Sarma is an affiliate professor at the George Mason University, Fairfax, VA. In that capacity he has taught courses at GMU and advises Ph.D. students.

Dr. Sarma is a recipient of the SAIC ESTC Publication Award and the SAIC Achievement Award. He was nominated and selected as an SAIC Technical Fellow in 2009.

He is a member of the American Meteorological Society (AMS) and the American Institute of Aeronautics and Astronautics (AIAA).