

Brief Bio: Dr. Darema received her BS degree from the School of Physics and Mathematics of the University of Athens – Greece, and MS and Ph. D. degrees in Theoretical Nuclear Physics from the Illinois Institute of Technology and the University of California at Davis, respectively, where she attended as a Fulbright Scholar and a Distinguished Scholar. After Physics Research Associate positions at the University of Pittsburgh and Brookhaven National Laboratory, she received an APS Industrial Fellowship and became a Technical Staff Member in the Nuclear Sciences Department at Schlumberger Doll Research. Subsequently, in 1982, she joined the IBM Thomas J. Watson Research Center as a Research Staff Member in the Computer Sciences Department and later-on she established and became the manager of a research group at IBM Research on parallel applications; she also served in the IBM Corporate Strategy Group. In 1994, Dr. Darema joined the National Science Foundation, where she served in executive-level positions for over 15 years, and she initiated and managed a number of innovative initiatives, including the New Generation Software and the Dynamic Data Driven Application Systems programs. During 1996-1998 she completed a two-year assignment at DARPA. Since 2010, Dr. Darema is at the Air Force Office of Scientific Research.