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As chief of the NASA Advanced Supercomputing Division, Dr. Rupak Biswas oversees the full range of high-performance computing services for NASA's primary supercomputing center. This work encompasses managing about 150 R&D scientists, engineers, and support staff comprised of civil servants and contractors. His key responsibilities are setting high-level objectives for the division, creating and maintaining a productive, high-impact computational facility, and coordinating closely with both Ames and NASA Headquarters management. Dr. Biswas is an internationally recognized expert in the areas of parallel programming models and paradigms; benchmarking and performance characterization of emerging and innovative architectures for high-end computing systems; novel partitioning and load balancing techniques for large-scale computational science problems; and scheduling algorithms for distributed computing environments. He received his Ph.D. in Computer Science from Rensselaer Polytechnic Institute in 1991, and has been at NASA ever since. During this time, he has received several NASA awards, including the Exceptional Achievement Medal in 2006 and the Outstanding Leadership Medal in 2009, and two Best Paper prizes given at the international "SC" conference on high-performance computing, network, and storage. He has published more than 140 technical papers on a variety of scientific computing topics in archival journals and at major peer-reviewed conferences, given numerous talks at home and abroad, and edited several journal special issues.