Dr. Piyush Mehrotra

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As Division Chief of the NASA Advanced Supercomputing (NAS) Division at Ames Research Center in Silicon Valley, CA, Dr. Piyush Mehrotra oversees the full range of high-performance computing services for NASA's premier Supercomputing center. The Division focuses on the advanced computing needs of NASA scientists and engineers, including in the areas of large-scale simulations, visualization, data analytics & machine learning and cloud computing. In addition, he also manages the Division's modeling and simulation research and development efforts focusing on several domains including computational Aerosciences, risk assessment, and Heliophysics, which are critical for numerous NASA missions.

Dr. Mehrotra obtained his PhD in Computer Science from the University of Virginia and then joined Institute for Computer Applications in Science and Engineering (ICASE), Hampton VA. where he ended up as a Research Fellow managing the Computer Science portion of the Institute. In between he a had brief stint teaching in the Computer Science Department at Purdue University. He joined NASA in 2000. He has over 40 years of R&D experience in parallel programming languages, including compilers and runtime systems for parallel systems, and middleware infrastructure for distributed grid environments. Recently his efforts have been focused on performance characterization, benchmarking and effective utilization of parallel systems including HPC clouds. He has also been leading the effort to develop an environment for near real-time analysis of observational and experimental data at NAS. He has published over 120 scientific articles in journals and conferences.