

Dr. Piyush Mehrotra

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 the NASA scientists and engineers, including in the areas of Accelerator technologies, Collaborative Computing, Cloud Computing, Data Analytics and Quantum Computing. In addition, he also manages NAS's modeling and simulation research and development efforts focusing on several domains including computational Aeroscience, risk assessment, and heliophysics, which are critical for numerous agency missions.

Before joining NASA, Dr. Mehrotra was at the Institute for Computer Applications in Science and Engineering (ICASE), Hampton VA, where he joined as post-doc rising to the level of Research Fellow managing the Computer Science portion of the Institute. He has over 35 years of R&D experience in parallel programming languages, including compilers and runtime systems for shared- and distributed-memory systems, and middleware infrastructure for grid environments. Recently his research focus has been on performance characterization, benchmarking and effective utilization of parallel systems including HPC clouds. He has published over 120 articles in journals and conferences, edited two books, and served as editor for several special issues of international computer science journals.