

## **Vijay K. Agarwala**

Vijay K. Agarwala is Senior Director of Research Computing and Cyberinfrastructure, a part of Information Technology Services, at The Pennsylvania State University. In addition to meeting research-related computational needs in multiple disciplines across all colleges at Penn State, he has been a contributor to several advisory committees including The Council on Competitiveness - High Productivity Computing Systems Advisory Committee, IDC sponsored HPC User Forum, The Coalition for Academic Scientific Computation, and others groups in academia, government, and industry. His academic training is in theoretical and computational mechanics. He has been active in building and deploying high-performance computing systems for over two decades. During this period, he has worked with several early-stage companies and helped them bring products to market.

In face of rapid globalization and the resulting outsourcing of manufacturing operations as well as engineering services, he has been actively pursuing how best to use cyberinfrastructure, including high-performance computing, to help bring industry and academia closer together in a broader and deeper partnership. He has been advocating that targeted federal funding for cyberinfrastructure at US research universities can yield significant and long-lasting competitive advantage for US industry.