

ECE Distinguished Lecture Series



Dr. Manish Parashar

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Transforming Science through Cyberinfrastructure

Monday, October 29, 2018, 4:00 pm - 5:00 pm

Location: SEH B1220

Abstract

NSF's Office of Advanced Cyberinfrastructure (OAC) seeks to foster the advanced cyberinfrastructure that is critical to the advancement of all areas of science and engineering research and education. For over a decade, OAC's (and ACI and OCI before it) investments have consistently enabled new innovations and discoveries. However, recent years are witnessing dramatic changes in nature and requirements of science applications, in the scale and pervasiveness of data, and in the landscape of technologies and resources. It is essential that the research cyberinfrastructure ecosystem evolve in response to these changes, and the HPC community, its campus leaders, researchers and professional experts all have important roles to play. This talk will present an overview of OAC and its programs and investments. It will also present a vision for evolving program and priorities to transform science in the 21st century.

Biography

Manish is Office Director of the Office of Advanced Cyberinfrastructure at NSF. He joins NSF from Rutgers, The State University of New Jersey, where he is currently a Distinguished Professor and the founding Director of the Rutgers Discovery Informatics Institute. His research interests are in the broad areas of Parallel and Distributed Computing and Computational and Data-Enabled Science and Engineering. Manish is Fellow of AAAS, Fellow of IEEE/IEEE Computer Society and ACM Distinguished Scientist.