The IEEE North Jersey Section Computer Society Chapter
and the
Gildart Haase School of Computer Sciences and Engineering at FDU
sponsor a talk on
Exploring Clouds as Enablers of Science
By
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Abstract

Cloud computing has emerged as a dominant paradigm that has been widely adopted by enterprises. Clouds provide on-demand access to computing utilities, an abstraction of unlimited computing resources, and support for on-demand scale up, scale down and scale out. Clouds are also rapidly joining high-performance computing system, clusters and Grids as viable platforms for scientific exploration and discovery. As a result, understanding application formulations and usage modes that are meaningful in such a hybrid infrastructure, and how application workflows can effectively utilize it, is critical. In this talk, I will explore the role of clouds in science and engineering. I will also explore how science and engineering applications can benefit from clouds and how the cloud abstraction can lead to new paradigms and practices. This talk is based on research that is part of the CometCloud autonomic cloud-computing project at the NSF Cloud and Autonomic Computing Center at Rutgers.

Biography:  Dr. Manish Parashar is Professor of Electrical and Computer Engineering at Rutgers University. He is the founding Director of the Rutgers Discovery Informatics Institute (RDI2) and of the NSF Cloud and Autonomic Computing Center (CAC), and is Associate Director of the Rutgers Center for Information Assurance (RUCIA). Manish received a BE degree from Bombay University, India, and MS and Ph. D. degrees from Syracuse University. His research interests are in the broad areas of Parallel and Distributed Computing and Computational and Data-Enabled Science and Engineering. A key focus of his research is on addressing the complexity of large-scale systems and applications through programming abstractions and systems. Manish serves on the editorial boards and organizing committees of a large number of journals and international conferences and workshops, and has deployed several software systems that are widely used. He has also received numerous awards and is Fellow of AAAS, Fellow of IEEE/IEEE Computer Society and Senior Member of ACM.

All are welcome!
You do not have to be a member of the IEEE to attend. Bring your friends and network during the free pizza starting at 11:45 A.M.

Time: 12:00PM, Wednesday, April 2, 2014, pre-meeting pizza starting at 11:45 AM.
Place: Muscarelle Center, Auditorium 105 Fairleigh Dickinson University, 1000 River Rd, Teaneck, NJ 07666.
http://www.fdu.edu/visitorcenter/directions/teaneck_map.html

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