



Distinguished Seminar Computer Science



Cloud Computing Workshop

Dr. Mukesh Mohania, IBM Research

Dec 5th Monday, 7:00 to 9:30pm

CS 209

Abstract - Cloud computing offers an exciting opportunity to bring on-demand applications to customers and is being used for delivering hosted services over the Internet and/or processing massive amount of data for business intelligence. In this workshop, we will discuss the architecture of cloud computing, MapReduce, and Hadoop. We will then discuss how the cloud infrastructure can be used for data management services, such data cleansing, data correlation and validation, and how the massive amount of data can be processed over cloud for various business intelligence applications such as customer churn analysis, social network analysis, etc, and how the cloud can be used for 'Active' Data Archival for near real-time data access. We will finally discuss few applications that require cloud infrastructure for processing structured and unstructured data for business analytics.

Brief Bio - Mukesh Mohania received his Ph.D. in Computer Science & Engineering from Indian Institute of Technology, Bombay, India in 1995. He was a faculty member in University of South Australia from 1996-2001. Currently, he is an STSM and IBM Master Inventor and is leading Information Management Software and Research group. He has worked extensively in the areas of distributed databases, data warehousing, data integration, and autonomic computing. He has published more than 100 papers and also filed more than 40 patents in these or related areas, and more than 10 have already been granted. He received the best paper award for his XML and data integration work in CIKM 2004 and CIKM 2005, respectively. He received an award from IBM Tivoli Software in 2004 for his research contribution to Policy Management for Autonomic Computing product. He was also a recipient of the "Excellence in People Management" award in IBM India in 2007. He received the "Outstanding Innovation Award" from IBM Corporation in 2008 for his Context-Oriented Information Integration work, and Technical Accomplishment Award in 2009 for his Policy work. He is an ACM Distinguished Speaker, and a member of IBM Academy of Technology.