Department of Computer Science and Engineering

Distinguished Speakers Series Presents

M. Tamer Özsu, University of Waterloo

Internet-Scale Data Distribution: Some Research Problems

The increasing growths of the Internet, the Web and mobile environments have had a push-pull effect. On the one hand, these developments have increased the variety and scale of distributed applications. The data management requirements of these applications are considerably different from those applications for which most of the existing distributed data management technology was developed. On the other hand, they represent significant changes in the underlying technologies on which these systems are built. There has been considerable attention to this issue in the last decade and there is important progress on a number of fronts. However, there are remaining issues that require attention. In this talk, I will review some of the developments, some areas in which there has been progress, and highlight some of the issues that still require attention.

M. Tamer Özsu is Professor of Computer Science at the David R. Cheriton School of Computer Science of the University of Waterloo. He was the Director of the Cheriton School of Computer Science from January 2007 to June 2010. Previously he was with the Department of Computing Science of the University of Alberta (1984 - 2000). His current research focuses on three areas: (a) Internet-scale data distribution, (b) multimedia data management, and (c) management of large-scale graph data.

He has held a University Research Chair (2004-2011) and a Faculty Research Fellowship (2000 - 2003) at the University of Waterloo, and a McCalla Research Professorship (1993-1994) at the University of Alberta. He is a Fellow of the Association for Computing Machinery (ACM), and of the Institute of Electrical and Electronics Engineers (IEEE), and a member of Sigma Xi. He was awarded the ACM SIGMOD Contributions Award in 2006, and The Ohio State University College of Engineering Distinguished Alumnus Award in 2008.

Dr. Özsu is the co-author, with Patrick Valduriez, of the book Principles of Distributed Database Systems, which is now in its third edition. He is also the co-editor-in-chief, with Ling Liu, of the Encyclopedia of Database Systems (Springer). He is the Series Editor of Synthesis Lectures on Data Management (Morgan & Claypool). He serves on the editorial boards of three journals, and two book Series. He has served as the Program Chair and General Chair of a number of international conferences.

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3:30-4:30 PM

Clemens 120 - University at Buffalo - North Campus

This talk is free and open to the public.   Refreshments for attendees after the talk in 224 Bell Hall