University at Buffalo
The State University of New York

Department of Computer Science and Engineering

Distinguished Speakers Series Presents

Jiawei Han, University of Illinois at Urbana-Champaign

Exploring the Power of Links in Information Network Mining

PageRank and HITS are brilliant examples of exploring the page links in the discovery of authoritative web pages and hubs. We show that the power of links can be systematically explored in the mining of information networks for link-based classification, clustering, information integration, and other interesting tasks. Some recent results of our research that explore the crucial information hidden in links will be introduced, including (1) multi-relational classification, (2) user-guided clustering, (3) link-based clustering, (4) object distinction analysis, and (5) veracity analysis. We also discuss some of our on-going studies in this direction.

Bio: Jiawei Han, Professor, Department of Computer Science, University of Illinois at Urbana-Champaign. He has been working on research into data mining, data warehousing, database systems, data mining from spatiotemporal data, multimedia data, stream and RFID data, Web data, social network data, and biological data, with over 350 journal and conference publications. He has chaired or served on over 100 program committees of international conferences and workshops, including PC co-chair for KDD, SDM, and ICDM conferences, vice chair for ICDE and ICDM conferences, and Americas Coordinator for a VLDB conference. He is also serving as the founding Editor-In-Chief of ACM Transactions on Knowledge Discovery from Data. He is an ACM Fellow and has received 2004 ACM SIGKDD Innovations Award and 2005 IEEE Computer Society Technical Achievement Award. His book "Data Mining: Concepts and Techniques" (2nd ed., Morgan Kaufmann, 2006) has been popularly used as a textbook worldwide.

Thursday, October 30, 2008

3:30–4:30 PM

University at Buffalo North Campus - 330 Student Union

This talk is free and open to the public - Refreshments for attendees after the talk in 224 Bell Hall
For more information, please call 645-3180