

Department of Computer Science 25th Anniversary

Distinguished Lecture Series



Prof. Jian Pei

Professor, School of Computing Science
Simon Fraser University

Towards Connecting Big Data with Many People

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WLB 109, Wing Lung Bank Building, Shaw Campus, HKBU

Abstract: Big data has posted grand challenges, and at the same time, has presented grand opportunities for data management and analytics research, development, and applications. In this talk, I will review some of our exciting ongoing research on big data analytics under the central theme of connecting big data with many people by enabling innovative analysis on big data. Particularly, I will present our persistent effort on developing context-aware, on-demand data mining techniques and platforms, and novel data analysis methods. Moreover, I will showcase some of our successful engagements to critical applications, such as healthcare informatics, web search, and network security informatics.

Biography: Jian Pei is currently a professor at the School of Computing Science at Simon Fraser University, Canada. He received a Ph.D. degree in Computing Science from the same school in 2002, under Dr. Jiawei Han's supervision. His research interests can be summarized as developing effective and efficient data analysis techniques for novel data intensive applications. Particularly, he is currently interested in various techniques of data mining, information retrieval, data warehousing, online analytical processing, and database systems, as well as their applications in social networks, network security informatics, healthcare informatics, business intelligence, and web search. His research outcome has been adopted by industry production systems. He has published prolifically in premier academic venues. His publications have been cited more than 20,000 times. His research has been supported in part by many government agencies, such as Natural Sciences and Engineering Research Council of Canada (NSERC) and the National Science Foundation (NSF) of the United States, and many industry partners, such as Microsoft, Hewlett-Packard Company (HP), IBM Corporation, SAP Business Objects, Pacific Blue Cross, Fortinet, and the Canadian Imperial Bank of Commerce (CIBC). Currently, his priority in research is on developing industry relations and collaboration, and transferring his technologies to industry applications. He is also actively serving the professional communities. He is currently the editor-in-chief of IEEE Transactions of Knowledge and Data Engineering, and an associate editor or editorial board member of several premier journals in his areas. He has played key roles in many top academic conferences. He is a director of ACM SIGKDD and an ACM Distinguished Speaker. He is an IEEE Fellow and he received several prestigious awards.

Enquiry

Tel: +852 3411 2385

Email: 25a@comp.hkbu.edu.hk

Website: <http://www.comp.hkbu.edu.hk/25a/lecture/>

