Big Data Analytics: Practices and Applications

SPEAKER  Prof Xin Li
Professor
Department of Electrical and Computer Engineering
Duke University
Durham, NC
USA

DATE  9 October 2018 (Tuesday)
TIME  10:00 am - 11:00 am
VENUE  CS Seminar Room, Y6405
6th Floor, Yellow Zone
Yeung Kin Man Academic Building
City University of Hong Kong
83 Tat Chee Avenue
Kowloon Tong

ABSTRACT

Big data analytics is an important area that has been continuously growing during the past decade. It has been successfully applied to a variety of commercial applications. This keynote will present novel statistical algorithms and methodologies for several application domains: manufacturing, automobile, etc., where machine learning is playing an extremely important role. Technical challenges, proposed solutions and future directions will be discussed and supported by successful case studies from industrial companies.

BIOGRAPHY

Xin Li received the Ph.D. degree in Electrical and Computer Engineering from Carnegie Mellon University, Pittsburgh, PA in 2005, and the M.S. and B.S. degrees in Electronics Engineering from Fudan University, Shanghai, China in 2001 and 1998, respectively. He is currently a Professor in the Department of Electrical and Computer Engineering at Duke University, Durham, NC, is leading the Institute of Applied Physical Sciences and Engineering (iAPSE), and is the Director of the Data Science Research Center (DSRC) at Duke Kunshan University, Kunshan, Jiangsu, China. In 2005, he co-founded Xigmix Inc. to commercialize his PhD research, and served as the Chief Technical Officer until the company was acquired by Extreme DA in 2007. From 2009 to 2012, he was the Assistant Director for FCRP Focus Research Center for Circuit & System Solutions (C2S2), a national consortium working on next-generation integrated circuit design challenges. His research interests include integrated circuit, signal processing and data analytics. Prof Xin Li is the Deputy Editor-in-Chief of IEEE TCAD. He was an Associate Editor of IEEE TCAD, IEEE TBME, ACM TODAES, IEEE D&T and IET CPS. He served on the Executive Committee of DAC, ACM SIGDA, IEEE TCCPS, and IEEE TCVLSI. He was the General Chair of ISVLSI, iNIS and FAC, and the Technical Program Chair of CAD/Graphics. He received the NSF CAREER Award in 2012, two IEEE Donald O. Pederson Best Paper Awards in 2013 and 2016, the DAC Best Paper Award in 2010, two ICCAD Best Paper Awards in 2004 and 2011, and the ISIC Best Paper Award in 2014. He also received six Best Paper Nominations from DAC, ICCAD and CICC. He is a Fellow of IEEE.

All are welcome!

In case of questions, please contact Dr XUE Chun Jason at Tel: 3442 9815, E-mail: jasonxue@cityu.edu.hk, or visit the CS Departmental Seminar Web at http://www.cs.cityu.edu.hk/news/seminars/seminars.html.