School of Data Science
香港城市大學
City University of Hong Kong

Hong Kong Institute for Data Science
香港城市大學
City University of Hong Kong

Distinguished Seminar Series
數據科學大師講座

(Online)
Data Supply Chain: from Resource to Value, from Data to Intelligence
數據供應鏈：從資源到價值，從數據到智能

Date: 30 September, 2020 (Wednesday)

Time: 11:30am — 12:30pm

SCAN HERE

Online registration:
https://www.cityu.edu.hk/sdsc_web/zoom/

Prof Jian PEI

Professor, School of Computer Science
Simon Fraser University

Abstract

"Data is the new oil" is one of the mantras for the modern world. How to turn data into productivity is the core of data science and data industry. In this talk, I will argue that, to take data as resource and produce value to the world, we need to develop data supply chains that connect all parties involved in data demands and supplies, including data providers, data processors, data analysts, data product and service consumers and other possible roles. Using my over 15 years experience in graph computing and graph mining as an example, I will discuss how to build a research and application pipeline from data collection ("oil extraction") to data products and services with significant values ("oil products"). Moreover, how data can be connected with machine learning and privacy preservation to drive the advance of AI.

Biography

Prof. Jian Pei is a Professor in the School of Computing Science and an associate member of the Department of Statistics and Actuarial Science at Simon Fraser University, Canada. He is a world research leader in the general areas of data science, big data, data mining, and database systems. His expertise is in developing effective and efficient data analysis techniques for novel data intensive applications. He is recognized as a fellow of Royal Society of Canada (RSC) (i.e., the national academy of Canada), a fellow of the Canadian Academy of Engineering (CAE), a fellow of ACM and a fellow of IEEE. He is one of the most cited authors in data mining, database systems, and information retrtieval. He published over 200 research articles, which have been cited over 99,000 times (over 40,000 times in the last 5 years). His research has generated remarkable impact substantially beyond academia.

His algorithms have been adopted by industry in production and popular open source software suites. He is responsible for several commercial systems of record-breaking large scale. As a renowned professional leader, he has played important roles in many academic organizations and activities. He is the Chair of ACM SIGKDD and was the Editor-in-Chief of IEEE TKDE. He received many prestigious awards, including the 2017 ACM SIGKDD Innovation Award and the 2015 ACM SIGKDD Service Award. In his last leave-of-absence from the university, he took the executive roles of two Fortune Global 500 companies. He is a mentor of Creative Destruction Lab (CDL).

Enquiries:
hkids@cityu.edu.hk

All are welcome

cityu.edu.hk/sdsc