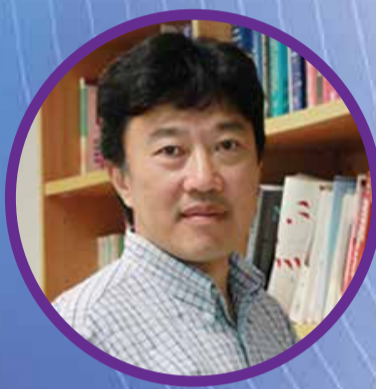


Distinguished Seminar Series on Data Science & Artificial Intelligence

Large Graph Processing

Prof. Jeffrey Yu

Professor
Department of Systems Engineering and
Engineering Management
The Chinese University of Hong Kong
Hong Kong



📅 26 October 2021 (Tue)

🕒 14:30 - 15:30 (HKT, UTC+8)

📍 Online via Zoom

🗣️ English

✍️ Please register at <https://polyu.hk/evTFc>
or scan the QR code



All are welcome!

Abstract

Graph has been widely adopted to model complex networks. The real applications that need graph processing techniques to handle a large graph can be found from many real applications including online social networks, biological networks, ontology, transportation networks, etc. There are many graph algorithms and graph systems studied and developed over years. In this talk, we will discuss some selected research topics on graph processing over large graphs. We will discuss several work on community search, overlapping communities, influential community search, triangle-free densest structure, funding a social hierarchy from a general large social network, subgraph matching, symmetric subgraph matching, graph isomorphism for large graphs, etc.

About the Speaker

Prof. Jeffrey Xu Yu is a Professor in the Department of Systems Engineering and Engineering Management, The Chinese University of Hong Kong. His current main research interests include graph algorithms, graph processing systems, and query processing in database systems. Prof. Yu served as an Information Director and a member in ACM SIGMOD executive committee (2007-2011), an associate editor of IEEE TKDE (2004-2008), and an associate editor in VLDB Journal (2007-2013). Currently he serves as an associate editor of ACM TODS, WWW Journal, Data Science and Engineering, the International Journal of Cooperative Information Systems, the Journal on Health Information Science and Systems (HISS), and Journal of Information Processing. Prof. Yu served/ serves in many organization committees and program committees in international conferences/workshops including PC Co-chair of APWeb'04, WAIM'06, APWeb/ WAIM'07, WISE'09, PAKDD'10, DASFAA'11, ICDM'12, NDBC'13, ADMA'14, CIKM'15, Bigcomp17, DSAA'19, CIKM'19, and DASFAA'20, and conference general Co-chair of APWeb'13, ICDM'18, and ADC'22.