

## AI Powered FINTECH at WeBank

**SPEAKER** Dr Vincent W ZHENG

Deputy General Manager  
WeBank AI Department

Adjunct Senior Research Scientist  
Advanced Digital Sciences Center  
(ADSC)  
Singapore

**DATE** 20 September 2018 (Thursday)

**TIME** 4:00 pm - 5:00 pm

**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

Artificial Intelligence has grown from lab research to real-world applications. At WeBank, we focus on two goals: scaling-up current banking services with AI and Big Data, and exploring new AI based banking models. In this talk, I will give an overview of our recent exploration into the FINTECH space: to build ultra-high dimensional feature space for personalized recommendation, to empower a federation of organizations to build a joint AI model without comprising compliance requirements, and to build robots into every aspect of banking services to build banking-application-oriented speech recognition systems, face recognition systems, dialog systems and NLP systems I will describe the concept and give examples of practice cases in WeBank, a first Internet commercial bank in China with 60 Million customers supported with only 1000 people.

### BIOGRAPHY

Dr Zheng is the Deputy General Manager of WeBank AI Department, and an Adjunct Senior Research Scientist at Advanced Digital Sciences Center (ADSC), Singapore. He received his Ph.D. degree from the Hong Kong University of Science and Technology in 2011. His research interests focus on mining with heterogeneous and structured data. His work on graph feature engineering is highlighted as IJCAI-ECAI 2018 Early Career Spotlight. His work on deep transfer learning receives the Best Paper Award from ICCSE 2018. He is the Associate Editor of Cognitive Computation. He has served as PCs in many leading data mining and artificial intelligence conferences such as KDD, IJCAI, AAAI, WWW, WSDM. He also co-organized the 1st IEEE ICDM Data Mining Contest in 2007, the International Workshop on Localization Technology and Location-based Service at IEEE CPSCOM 2013, and the 1st International Workshop on Large Scale Graph Representation Learning and Applications at ICDM 2018. He has published over 60 papers in the refereed conferences, journals and book chapters. He holds multiple patents and technical disclosures. He is a member of AAAI and ACM.

**All are welcome!**



In case of questions, please contact Prof LI Qing at Tel: 3442 9695, E-mail: [itqli@cityu.edu.hk](mailto:itqli@cityu.edu.hk), or visit the CS Departmental Seminar Web at <http://www.cs.cityu.edu.hk/news/seminars/seminars.html>.

