Monday, April 27

09:00 - 10:30, S1: Opening and Keynote

Data-Driven Privacy Analysis, Professor Keith Ross (New York University, USA)

Room: TBA

Chair: Professor Ke Liu (NSF of China, P.R. China)

Coffee Break

11:00 - 12:30, S2: Privacy in Big Data

Room: TBA

Chair: Professor Touradj Ebrahimi (Ecole Polytechnique Fédérale de Lausanne, Switzerland)

Enabling Privacy-preserving Auctions in Big Data
Taeho Jung and Xiang-Yang Li (Illinois Institute of Technology, USA)

I Know Where You Are: Thwarting Privacy Protection in Location-Based Social Discovery Services
Minhui Xue (East China Normal University & NYU Shanghai, P.R. China); Yong Liu (New York University, USA); Keith W. Ross (NYU & NYU Shanghai, USA); Haifeng Qian (East China Normal University, P.R. China)

Analysis of k-Anonymity Algorithms for Streaming Location Data
Matthew Andrews, Gordon Wilfong and Lisa Zhang (Bell Labs, Alcatel-Lucent, USA)

Privacy-Preserving Photo Sharing based on a Secure JPEG
Lin Yuan (École Polytechnique Fédérale de Lausanne, Switzerland); Pavel Korshunov and Touradj Ebrahimi (Ecole Polytechnique Fédérale de Lausanne, Switzerland)

Lunch Break

14:00 - 15:30, S3: Security in Big Data 1

Room: TBA

Chair: Professor Wanlei Zhou (Deakin University, Australia)

Cocktail: Towards Privacy Preserving Publication of Set-valued Data on Hybrid Cloud
Zhigang Zhou and Hongli Zhang (Harbin Institute of Technology, P.R. China); Xiaojiang Du (Temple University, USA)
Rapid and Parallel Content Screening for Detecting Transformed Data Exposure
Xiaokui Shu, Jing Zhang, Danfeng Yao and Wu-chun Feng (Virginia Tech, USA)

Mobile Cloud Offloading for Malware Detections with Learning
Yanda Li, Jinliang Liu, Qiangda Li and Liang Xiao (Xiamen University, P.R. China)

Efficient Distributed Access Control for Big Data in Clouds
Min Xiao (College of Computer Science and Technology, Chongqing University of Posts and Telecommunications, P.R. China); Mingxin Wang (Chongqing University of Posts and Telecommunications, P.R. China); Xuejiao Liu and Junmei Sun (Hangzhou Normal University, P.R. China)

Coffee Break

16:00 - 17:30, S4: Security in Big Data 2
Room: TBA
Chair: Professor Liang Xiao (Xiamen University, P.R. China)

Asymmetric Self-Learning for Tackling Twitter Spam Drift
Chao Chen, Jun Zhang, Yang Xiang and Wanlei Zhou (Deakin University, Australia)

BDO-SD: An Efficient Scheme for Big Data Outsourcing with Secure Deduplication
Mi Wen (Shanghai University of Electric Power, P.R. China); Kejie Lu (University of Puerto Rico at Mayaguez, Puerto Rico); Jingsheng Lei (Shanghai University of Electric Power, Canada); Fengyong Li and Jing LI (Shanghai University of Electric Power, P.R. China)

Randomized Decryption (RD) Mode of Operation for Homomorphic Cryptography - Increasing Encryption, Communication and Storage Efficiency
Martin Beck (Technische Universität Dresden, Germany)

Security Techniques for Big Data Environments
Udaya Tupakula (Macquarie University, Australia); Vijay Varadharajan (Macquarie University, Australia)