

Ping Fan KE  
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## **Ping Fan KE**

School of Information Systems  
Singapore Management University (SMU)  
80 Stamford Road  
Singapore 178902

Email: [pfke@smu.edu.sg](mailto:pfke@smu.edu.sg)

Office Phone: (+65) 6826 1346



## **Education**

PhD, Hong Kong University of Science and Technology, Hong Kong, 2018

Master of Philosophy, Hong Kong University of Science and Technology, Hong Kong, 2014

Bachelor of Business Administration, Hong Kong University of Science and Technology, Hong Kong, 2011

## **Academic Appointments**

Assistant Professor of Information Systems, School of Information Systems, SMU, Jul 2019 – Present

Visiting Scholar, Hong Kong University of Science and Technology, Sept 2018 – Jun 2019

## **Awards and Honors**

ICIS 2016 Doctoral Consortium Fellow, Dublin, Ireland, Dec 7-9, 2016

PACIS 2015 Doctoral Consortium Fellow, Singapore, Jul 5-6, 2015

Hong Kong PhD Fellowship, Research Grant Council, Hong Kong, 2014 – 2017

Beta Gamma Sigma, Hong Kong University of Science and Technology, 2010

## **RESEARCH**

### **Research Interests**

Economics of Information Systems

Cybersecurity

Blockchain and Cryptocurrency

Machine Learning and AI Application

### **Publications**

Journal Articles [Refereed]

Bilateral Liability-Based Contracts in Information Security Outsourcing, by HUI, Kai-Lung; KE, Ping Fan; YAO, Yuxi; YUE, Wei Thoo. (2019). *Information Systems Research*. <https://pubsonline.informs.org/doi/10.1287/isre.2018.0806> (Forthcoming)

Conference Proceedings

Information Security as a Credence Good, by KE, Ping Fan; HUI, Kai-Lung; YUE, Wei Thoo. *The 2013 Workshop on Usable Security (USEC' 13)*, April 1 2013, Okinawa, Japan. (Published)

Conference Papers

Influence of Transaction Cost on Smart Contract: An Economic Analysis on Token-Curated Registry, by KE, Ping Fan. (2018). *Pre-ICIS SIGBPS 2018 Workshop on Blockchain and Smart Contract*, December 13 2018, San Francisco, CA. (Presented)

An Empirical Study of the Effect of Government-initiated Filter Schemes on Cybersecurity, by HUI, Kai-Lung; KE, Ping Fan; YUE, Wei Thoo. (2017). *Workshop on e-Business (WeB)*, December 10 2017, Seoul, South Korea. (Presented)

Cybersecurity Regulations and Cyberattacks: A case Study in China, by KE, Ping Fan; HUI, Kai-Lung; YUE, Wei Thoo. (2015). *Workshop on Information Systems and Economics (WISE)*, December 12-13 2015, Dallas, TX. (Presented)

Regulating Information Asymmetry in Information Security Outsourcing Market, by HUI, Kai-Lung; KE, Ping Fan; YUE, Wei Thoo. (2014). *Workshop on Information Systems and Economics (WISE)*, December 17-19, 2014, Auckland, New Zealand. (Presented)

**TEACHING****Teaching Areas**

Cybersecurity and Risk Management  
Computer as an Analysis Tool

**Courses Taught**Other Institute

Undergraduate Programmes :

- Information and Cyber Security Management, HKUST
- Developing AI Application, HKUST
- Blockchain Entrepreneurship for Social Impact, HKUST

Postgraduate Professional Programmes :

- Computer and Internet Security Management, HKUST

**Teaching Publication**Case

PopVote: Assessing the Risks of DDoS, by HUI, Kai-Lung; HUANG, Minyi; KE, Ping FAN; LAI, Anthony. (2016)  
Thompson Center for Business Case Studies, HKUST Business School. <http://www.cbcs.ust.hk/case-database/popvote-assessing-risk-ddos> (Published)

**EXTERNAL SERVICE – PROFESSIONAL**

Team Coach, Firebird CTF Team, Cybersecurity Lab, HKUST, 2016 – 2019

Head of Research, Valkyrie-X Security Research Group, 2012 – present