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Education

PhD, Hong Kong University of Science & Technology, 2018

MPhil, Hong Kong University of Science & Technology, 2014

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

Academic Appointments

Assistant Professor of Information Systems, School of Computing and Information Systems, SMU, Jul 2019 - Present

RESEARCH

Publications

Journal Articles [Refereed]

Augmenting fake content detection in online platforms: A domain adaptive transfer learning via adversarial training approach, by NG, Ka Chung; KE, Ping Fan; SO, Mike K. P.; TAM, Kar Yan. (2023). *Production and Operations Management, 32* (7), 1-22. https://doi.org/10.1111/poms.13959 (Advance Online)

RansomSOC: A more effective security operations center to detect and respond to ransomware attacks, by LAI, Anthony Cheuk Tung; KE, Ping Fan; CHAN, Kelvin; YIU, Siu Ming; KIM, Dongsun; WONG, Wai Kin; WANG, Shuai; MUPPALA, Joseph; HO, Alan. (2022). *Journal of Internet Services and Information Security, 12* (3), 63-75. http://doi.org/10.22667/JISIS.2022.08.31.063 (Published)

Bilateral Liability-Based Contracts in Information Security Outsourcing, by HUI, Kai-Lung; KE, Ping Fan; YAO, Yuxi; YUE, Wei Thoo. (2019). *Information Systems Research, 30* (2), 411-429. https://doi.org/10.1287/isre.2018.0806 (Published)

Conference Proceedings

Is Web3 better than Web2 for investors? Evidence from domain name auctions, by KE, Ping Fan; LAU, Yi Meng; HANLEY, Daniel Varghese. (2023.0). *Pacific Asia Conference on Information Systems 2023,* Nanchang, China: AIS. (Published)

Bank error in whose favor? A case study of decentralized finance misgovernance, by KE, Ping Fan; NG, Ka Chung Boris. (2022.0). *Proceedings of the 2022 International Conference on Information System, Copenhagen, Denmark, December 9-14*

, AIS Electronic Library (AISeL): https://aisel.aisnet.org/cgi/viewcontent.cgi?article=1094&context=icis2022 (Published)

The information disclosure trilemma: Privacy, attribution and dependency, by KE, Ping Fan. (2019.0). *Proceedings of the 14th Pre-ICIS Workshop on Information Security and Privacy, Munich, Germany, December 15, 2019,* Munich, Germany: (Published)

Information security as a credence good, by KE, Ping Fan; HUI, Kai-Lung; YUE, Wei Thoo. (2013.0). *FC 2013 Workshops, USEC and WAHC 2013 Okinawa, Japan,* (pp. 83-93) Okinawa, Japan: Springer Link. https://doi.org/10.1007/978-3-642-41320-9_6 (Published)

Conference Papers

Backdoor Investigation and Incident Response: From Zero to Profit, by LAI, Anthony; WONG, Ken; HO, Alan; KE, Zetta. (2022.0). *Black Hat Asia 2022, Singapore, May 10-13,* Singapore. (Presented)

Strategic behavior and market inefficiency in blockchain-based auctions, by KE, Ping Fan; CHEN, Jianqing; GUO, Zhiling. (2021.0). *32nd Workshop on Information Systems and Economics (WISE) 2021, December 16-17,* Austin, TX. (Presented)

The effect of content filtering on the Internet: An empirical investigation, by KE, Ping Fan; YUE, Wei T., HUI, Kai-Lung. (2020.0). *Workshop on Information Technologies and Systems (WITS) 2020,* Virtual Conference. (Presented)

Distillation of news deception into textual analysis using domain adaptation learning, by NG, Ka Chung; KE, Ping Fan; TAM, Kar Yan. (2020.0). *INFORMS Annual Meeting 2020,* Virtual Conference. (Presented)

Inferring deceptive cues in financial news: An application of domain adaptation learning, by NG, Ka Chung; KE, Ping Fan; SO, Mike K. P.; TAM, Kar Yan. (2020.0). *Pre-AMCIS SIGBPS Workshop on Blockchain and Financial Analytics (BPS'20), Virtual Conference, 2020 August 13-14,* Virtual Conference. (Presented)

The role of threat actors in token-weighted crowdsourcing with blockchain, by KE, Ping Fan. (2020.0). *11th POMS-HK Chapter International Conference 2020,* Hong Kong. (Presented)

Influence of transaction cost on smart contract: An economic analysis on token-curated registry, by KE, Ping Fan. (2018.0). *Pre-ICIS SIGBPS 2018 Workshop on Blockchain and Smart Contract, San Francisco, CA, 2018 December 13,* 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. (2017.0). *Workshop on e-Business, Seoul, South Korea, 2017 December 10,* Seoul, South Korea. (Presented)

Cybersecurity regulations and cyberattacks: A case study in China, by KE, Ping Fan; HUI, Kai-Lung; YUE, Wei Thoo. (2015.0). *Workshop on Information Systems and Economics, Dallas, TX, US, 2015 December 12-13,* Dallas, TX, US. (Presented)

Regulating information asymmetry in information security outsourcing market, by HUI, Kai-Lung; KE, Ping Fan; YUE, Wei Thoo. (2014.0). *Workshop on Information Systems and Economics, Auckland, New Zealand, 2014 December 17-19,* Auckland, New Zealand. (Presented)

Papers Submitted for Review

Journal Articles [Refereed]

Market Reaction to Perceived Fakeness of Financial News: A Deep Learning Approach, by Ng, Boris K.C.; Ke, Ping Fan; So, Mike K P; Tam, Kar Yan.. *Decision Support Systems,* (Submitted)

TEACHING

Courses Taught

<u>Singapore Management University</u>

Undergraduate Programmes :

    Business Process Analysis & Solutioning

    Strategic Cybersecurity Management

Teaching Publications

<u>Cases</u>

Riding on the cryptocurrency and NFT wave: Twitter needs to "Show Me the Money", by LAU, Yi Meng; KE, Ping Fan; LIM, Thomas. (2023). SMU-23-0001. https://cmp.smu.edu.sg/case/5726 (Published)

PopVote: Assessing the risks of DDoS (Hong Kong University of Science and Technology), by HUI, Kai-Lung; HUANG, Minyi; KE, Ping Fan; LAI, Anthony. (2016). ST32A. (Published)

<u>Teaching Notes</u>

Riding on the cryptocurrency and NFT wave: Twitter needs to "Show Me the Money", by LAU, Yi Meng; KE, Ping Fan; LIM, Thomas. (2023). SMU-23-0001. https://cmp.smu.edu.sg/case/5726 (Published)