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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]

Human-AI synergy in survey development: Implications from Large Language Models in business and research, by KE, Ping Fan; NG, Ka Chung. (2025). *ACM Transactions on Management Information Systems*, 16 (1), 1-47. <https://doi.org/10.1145/3700597> (Published)

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

Exploring the market impact of Web3 identity imitation in Ethereum Name Service, by KE, Ping Fan; LAU, Yi Meng. (2024.0). *PACIS 2024 Proceedings, Ho Chi Minh, Vietnam, July 1-5*, (pp. 1-9) Ho Chi Minh, Vietnam: AIS. (Published)

Usability versus collectibility in NFT: The case of Web3 domain names, by KE, Ping Fan; LAU, Yi Meng. (2024.0). *Proceedings of the 17th China Summer Workshop on Information Management, CSWIM 2024, Xiamen, China, June 29-30*, (pp. 1-6) Xiamen, China: (Published)

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 PACIS 2023: Nanchang, July 8-12: Proceedings*, Atlanta, GA: AIS. <https://aisel.aisnet.org/pacis2023/56/> (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

Evaluating DeFi vulnerabilities: The role of bug bounty programs on DeFi software supply chain, by KE, Ping Fan; LAU, Yi Meng; JIANG, Lingxiao. (2025.0). *35th Annual Workshop on Information Technologies and Systems (WITS 2025)*, Nashville, Tennessee, USA, December 17-19, Nashville, TN. (Presented)

A socio-technical analysis of market reactions on meme coins: Trump's presidential effect, by KE, Ping Fan; LAU, Yi Meng. (2025.0). *The 14th SIGBIT Workshop on Blockchain Ecosystems and Artificial Intelligence, Bangkok, Thailand, 2025 December 14*, Nashville, TN. (Published)

A community-driven framework to evaluate factors influencing NFT buyers, by LAU, Yi Meng; KE, Ping Fan. (2024.0). *The 13th SIGBIT Workshop on Information Technology and Systems on Web3 Ecosystem and Artificial Intelligence, Bangkok, Thailand, 2024 December 15*, Bangkok, Thailand. (Accepted)

Trustworthy Web3 domains: A framework for digital identity verification, by LAU, Yi Meng; KE, Ping Fan. (2024.0). *The 13th SIGBIT Workshop on Information Technology and Systems on Web3 Ecosystem and Artificial Intelligence, Bangkok, Thailand, 2024 December 15*, Bangkok, Thailand. (Accepted)

Distant feedback in crowdsourcing innovation: The moderating role of ideator response and assimilation, by ZHOU, Yimei; MACK, Vincent; TANG, Qian; KE, Ping Fan. (2024.0). *The Workshop on E-Business (WeB) 2024, Bangkok, Thailand, December 14*, Bangkok, Thailand. (Presented)

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)

Research Grants

Singapore Management University

Digital Assets in Web3 as Digital Identity, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): KE Ping Fan , Co-PI (Project Level): LAU Yi Meng, 2023, S\$30,000

TEACHING

Courses Taught

Singapore Management University

Undergraduate Programmes :

- Business Process Analysis & Solutioning
- Strategic Cybersecurity Management

Postgraduate Professional Programmes :

- Capstone Project - Cybersecurity

Teaching Publications

Cases

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)

Teaching Notes

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)