

NG, Ka Chung (Boris)
Assistant Professor of Management Information Systems
Presidential Young Scholar
 Department of Management and Marketing, Faculty of Business
 Hong Kong Polytechnic University

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Academic Experience

Assistant Professor Jan 2022 – Present
 Department of Management and Marketing, Hong Kong Polytechnic University

Research Assistant Professor Jul 2021 – Dec 2021
 Department of Information Systems, Business Statistics and Operations Management,
 Hong Kong University of Science and Technology

Visiting Appointments
 Robinson College of Business Center for Digital Innovation, Georgia State University, Jan 2020 – Jun 2020
Visiting Scholar

Education

Hong Kong University of Science and Technology
 PhD in Information Systems 2021
 • Dissertation: [Three Essays on Computerized Textual Analysis of Fake News](#)
 MPhil in Information Systems 2018
 • Dissertation: [Mining Business Value from Dynamic and Multi-View Company Networks: A Latent Space Model Approach](#)
 BSc in Risk Management and Business Intelligence 2016
 • Minor: Actuarial Mathematics & Information Technology

Research

Research Interests

Topics Augmented AI, Business Analytics, Fake News, FinTech, Social Media
 Methods Machine Learning, Deep Learning, Natural Language Processing, Statistical Network Modeling, Field/Lab Experiment, Econometrics, Survey, Structural Equation Modeling

Journal Publications

1. **Ng, K. C.**, Ke, P. F., So, M. K. P., and Tam, K. Y. 2023. "Augmenting Fake Content Detection in Online Platforms: A Domain Adaptive Transfer Learning via Adversarial Training Approach," *Production and Operations Management*. Forthcoming.
2. **Ng, K. C.**, Tang, J., and Lee, D. 2021. "[The Effect of Platform Intervention Policies on Fake News Dissemination and Survival: An Empirical Examination](#)," *Journal of Management Information Systems* (38:4), pp. 898–930.
 • Media Coverage: [Dong-A Business Review \(Sep 2022, Issue 1, No. 352\)](#), [Dong-A ILBO \(Sep 14, 2022\)](#)
3. **Ng, K. C.**, Zhang, X., Thong, J. Y. L., and Tam, K. Y. 2021. "[Protecting Against Threats to Information Security: An Attitudinal Ambivalence Perspective](#)," *Journal of Management Information Systems* (38:3), pp. 732–764.

4. **Ng, K. C.**, So, M. K. P., and Tam, K. Y. 2021. "[A Latent Space Modeling Approach to Interfirm Relationship Analysis](#)," *ACM Transactions on Management Information Systems* (12:2), 10.

Research in Progress

1. Analyzing Word Sentiment Evolution in Financial Text: A Word Embedding Approach (with Zheng, J., Zheng, R., and Tam, K. Y.)
 - Under the 1st Round Revision (Major) at the *Journal of Management Information Systems*
2. Market Reaction to the Perceived Fakeness of Financial News: A Deep Learning Approach (with Ke, P. F., So, M. K. P., and Tam, K. Y.)
 - Under the 1st Round Review at the *ACM Transactions on Information Systems*
3. A Man with a Machine: Human-AI Augmentation for Sentiment Extraction from Firm Disclosure (with Zheng, J. and Zheng, R.)
 - Under the 1st Round Review at the *Management Science*

Conference Papers

1. Ke, P. F., and **Ng, K. C.** 2022. "[Bank Error in Whose Favor? A Case Study of Decentralized Finance Misgovernance](#)," *ICIS 2022 Proceedings*. 12. <https://aisel.aisnet.org/icis2022/blockchain/blockchain/12>
2. Zhou, J., and **Ng, K. C.** 2020. "[Online Media Causes Biased Stock Investment: Evidence from a Regression-Discontinuity Design](#)," *ICIS 2020 Proceedings*. 3. https://aisel.aisnet.org/icis2020/social_media/social_media/3
3. Tang, J., and **Ng, K. C.** 2019. "[Reposts Influencing the Effectiveness of Social Reporting System: An Empirical Study from Sina Weibo](#)," *ICIS 2019 Proceedings*. 13. https://aisel.aisnet.org/icis2019/crowds_social/crowds_social/13

Conference Presentations

1. **Ng, K. C.**, Zheng, J., and Zheng, R. "A Hybrid Human-AI Approach to Capturing Disclosure Sentiment," *The 32nd Workshop on Information Technologies and Systems (WITS)*, Copenhagen, Denmark, Dec 14–16, 2022
2. **Ng, K. C.**, Ke, P. F., So, M. K. P., and Tam, K. Y. "Applying Domain Adaptive Transfer Learning in Fake Financial News Analysis," *The 2021 NSFC-HKUST FinTech Symposium*, Hong Kong, Hong Kong, Dec 9–10, 2021.
3. **Ng, K. C.**, Ke, P. F., and Tam, K. Y. "Distillation of News Deception into Textual Analysis Using Domain Adaptation Learning," *The INFORMS 2020 Annual Meeting*, National Harbor, Maryland, Nov 8–11, 2020.
4. **Ng, K. C.**, Ke, P. F., So, M. K. P., and Tam, K. Y. "Inferring Deceptive Cues in Financial News: An Application of Domain Adaptation Learning," *2020 Pre-AMCIS SIGBPS Workshop on Blockchain and Financial Analytics*, Virtual, Aug 13–14, 2020.
5. **Ng, K. C.**, Tang, J., and Lee, D. "Will Fake News Survive Platform Intervention? Examining the Impact of Forwarding Restriction on Fake News Survival," *The 6th Symposium on Statistical Challenges in Electronic Commerce Research (SCECR)*, Madrid, Spain, Jun 18–19, 2020.
6. **Ng, K. C.**, Ke, P. F., So, M. K. P., and Tam, K. Y. "Financial News Credibility Measurement and Analysis," *The 11th International Association for Statistical Computing (IASC-ARS) 2019 Conference*, Hong Kong, Hong Kong, Dec 2–5, 2019.
7. **Ng, K. C.**, So, M. K. P., and Tam, K. Y. "Interfirm Relationship Analysis for Dynamic and Dual-View Company Networks: A Latent Space Modeling Approach," *The 3rd International Conference on Econometrics and Statistics (EcoSta)*, Taipei, Taiwan, Jun 25–27, 2019.

Research Supervision

Research Postgraduate Programme

- WANG, Zhe (Lionel), PhD in Management Information Systems, *Supervisor* 2023 – Present

Taught Postgraduate Programme

- FU, Xiaoxiu, MSc in Business Analytics, *Supervisor* 2022 – Present
- MAK, Kit Kwan, MSc in Business Analytics, *Co-supervisor* 2022 – 2023

Undergraduate Research and Innovation Scheme (URIS)

- 12 undergraduate students in four research projects, *Supervisor* 2022 – 2023

Research FundsInternal Research Grants Secured

- Strategic Hiring Scheme – Assistant Professor to Professor (Project ID: P0041157), “A Social Media Perspective to Understanding Digital Well-Being and FinTech Development: An Application of Natural Language Processing and Deep Learning,” **HK\$2,145,400**, 2022-2026, PolyU (UGC), *Principal Investigator*

Teaching

Teaching Interests

Management Information Systems, AI Applications in Business, Machine Learning, Text Mining, Business Applications Programming (e.g., Python, R, Java, VBA)

Teaching ExperienceHong Kong Polytechnic University

- MM5427 Textual Analysis in Business (MSc, **Self-developed**), *Course and Lab Instructor* 2023 – Present
- MM5413 Business Forecasting (MSc), *Course and Lab Instructor* 2022 – Present

Hong Kong University of Science and Technology

- ISOM4000B Natural Language Processing in Business Using Deep Learning (BBA, BSc), *Course and Lab Instructor* Fall 2021
- ISOM3360 Data Mining for Business Analytics (BBA), *Course and Lab Instructor* Summer 2020
- ISOM5270 Big Data Analytics (MSc), *Teaching Assistant* Fall 2019
- ISOM2010 Introduction to Information Systems (BBA), *Lab Instructor* Fall 2016 – Fall 2019

Service

Conference Editor / Committee

- Committee Member, International Conference on Information Systems (ICIS) 2022 – 2023
- Associate Editor, International Conference on Information Systems (ICIS) 2022 – 2023
- Associate Editor, Pacific Asia Conference on Information Systems (PACIS) 2023

Ad Hoc Reviewer

Journals Management Information Systems Quarterly (MISQ), Information Systems Research (ISR), Journal of Management Information Systems (JMIS), Information and Management (I&M), International Journal of Information Management (IJIM), International Journal of Electronic Commerce (IJEC), Journal of Electronic Commerce Research (JECR)

Conferences Pacific Asia Conference on Information Systems (PACIS), International Conference on Information Systems (ICIS), China Summer Workshop on Information Management (CSWIM), Workshop on Information Technologies and Systems (WITS), Wuhan International Conference on E-business (WHICEB)

Honors and Awards

Presidential Young Scholar under the Strategic Hiring Scheme	2022 – Present
Research Productivity Reward Scheme for Non-UTD Journal Publications	2022
Dean's PhD Fellowship for Research Excellence	2020 – 2021, 2017 – 2018
Oversea Study Award	2019
Li Po Chun Charitable Trust Fund Scholarship	2017 – 2018

Knowledge Transfer and Entrepreneurship

Funding and Incubation

- GBA Startup PostDoc Programme @Shenzhen 2023 – Present
- Project Title: Artificial Intelligence Legal Assistant Robot
 - Startup Postdoc: WANG, Zizhu (PhD in Financial Mathematics, University of Liverpool)
 - Industry Partner: MIU, Jacky (Solicitor and Founder of Venture IP Solutions Limited)