

KOH, Andrew

College of Integrative Studies
Singapore Management University (SMU)

Email: andrewkoh@smu.edu.sg
Contact: +6591130101



Education

PhD, University of Nottingham, Great Britain, 2008
Bachelor of Engineering, University of Leeds, Great Britain, 2004

Academic Appointments

Senior Lecturer of Computer Science, Jul 2022 - Present

Academic Administrative Positions

Senior Analytics Practicum Manager, School of Information Systems, Singapore Management University, Singapore, Aug 2015 - Dec 2019

Other Positions and Affiliations

Assistant Director, ACE Group, Ministry of Manpower, Singapore, Oct 2021 - Apr 2022
Trainee and Intern, Covenant Evangelical Free Church, Singapore, Jan 2020 - Sep 2021
Data & Analytics Partner Seller, Microsoft Singapore, Singapore, Jun 2013 - Jun 2015
Business Intelligence Consultant, Pleodata Pte Ltd, Singapore, Nov 2012 - Jun 2015
Social Entrepreneur, Serve Kampong-Cambodia, Cambodia, May 2011 - Sep 2012
Programme Development Manager, World Toilet Organization, Cambodia, Mar 2010 - Apr 2011

RESEARCH

Publications

Journal Articles [Refereed]

Gender biases within artificial intelligence and ChatGPT: Evidence, sources of biases, and solutions, by HO, Jerlyn Q. H.; HARTANTO, Andree; KOH, Andrew; MAJEED, Nadyanna M.. (2025). *Computers in Human Behavior*, 4 1-15. <https://doi.org/10.1016/j.chbah.2025.100145> (Published)

Automated theme search in ICO whitepapers, by FU, Chuanjie; KOH, Andrew; GRIFFIN, Paul. (2019). *Journal of Finance and Data Science*, 1 (4), 140-158. <https://doi.org/10.3905/jfds.2019.1.011> (Published)

Text analytics approach to examining corporate social responsibility, by AZHAR, Nurul Asyikeen; PAN, Gary; SEOW, Poh Sun; KOH, Andrew; TAY, Wan Ying. (2019). *Asian Journal of Accounting and Governance*, 11 85-96. (Published)

Image segmentation using multi-coloured active illumination, by KOH, Tze Ki; MILES, Nicholas, MORGAN, Steven; HAYES-GILL, Barrie. (2007). *Journal of Multimedia*, 2 (6), 1-6. <https://doi.org/10.4304/jmm.2.6.1-6> (Published)

Conference Proceedings

Detecting and segmenting un-occluded items by actively casting shadows, by KOH, Tze Ki; AGRAWAL, Amit; RASKAR, Ramesh; MORGAN, Steve; MILES, Nicholas; HAYES-GILL, Barrie. (2007.0). *Proceedings of the 8th Asian Conference on Computer Vision, Tokyo, Japan, 2007 November 18 - 22*, (pp. 945-955) Tokyo, Japan: Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-76386-4_90 (Published)

Segmentation of overlapping particles in automatic size analysis using multi-flash imaging, by KOH, Tze Ki; MILES, Nicholas; MORGAN, Steve; HAYES-GILL, Barrie. (2007.0). *Proceedings of the 2007 IEEE Workshop on Applications of Computer Vision, Austin, Texas, United States, February 21 - 22*, (pp. 47-) Austin, TX, USA: IEEE. <https://doi.org/10.1109/WACV.2007.37> (Published)

Magazine Articles

Re-evaluating natural intelligence in the face of ChatGPT, by LIM, Elvin; KOH, Andrew. (2023, May). *Times Higher Education*

The technology tide: Has IT hit the shores of social innovation? , by KOH, Andrew. (2018, April). *Social Space*, 58-60. https://socialspacemag.org/wp-content/uploads/2018/07/SocialSpaceJul2018_Final_singlepage.pdf

Other Outputs and Contributions

Blog Posts

Digital transformation: Two sides of a coin [Blog post in Masters of IT in Business], by KOH, Andrew. (2024, June 27).

TEACHING

Courses Taught

Singapore Management University

Undergraduate Programmes :

AI and Humanity

Postgraduate Professional Programmes :

Digital Technologies and Sustainability

Internship and Project Supervision

Executive Development :

Introduction to Data Analytics & Power BI, Health Promotion Board, 16 Aug 2017-22 Sep 2017

Teaching Publications

Cases

Project MigrantPal: Harnessing digital technology to improve the well-being of migrant workers in Singapore, by CHUA, Xinhui; TAN, Dexter Ye Kai; JUN, Jie Jay Oi; TAN, Yi Jing Joanne; KOH, Andrew. (2024).

OTHER ACADEMIC AND PROFESSIONAL ACTIVITIES

Invited Seminars, Talks and Lectures

Sustainability and Digital Technologies, 10 Jul 2024. Interdisciplinary Seminar at Hwa Chong International School

Inclusive Healthcare, 17 Nov 2023. 2023 Reach Alliance Conference, Monterrey, Mexico

AI and Humanity, 01 Aug 2023. Interdisciplinary Seminar at Hwa Chong International School

Building a Greener World with Technology, 10 Mar 2023. Emerging Tech Series by Smart Nation and Digital Government Office, Prime Minister's Office, Online

Moderator for panel on "Stories from the Ground: Pursuits of Wealth and Experiences of Poverty", 16 Feb 2023. Annual Wee Kim Wee SOKA International Seminar on Global Peace and Understanding

Reaching the heart of migrant workers in Singapore, 06 Sep 2022. Huawei Tech4City Community Event

Enabling A Sustainable Dormitory Experience Through Design, 20 Jul 2022. Design Thinking Study by Dormitory Association Singapore Limited

Leveraging Technology for Good, 16 Mar 2018. Launch of the International Development & Communication Action Group

UNIVERSITY SERVICE

Singapore Management University

Committee Member, Admissions Committee, Jul 2022 – Present

EXTERNAL SERVICE – PROFESSIONAL

Committee Member, Business Analytics Chapter, Singapore Computer Society , 2018 - 2019

EXTERNAL SERVICE – PUBLIC SECTOR AND COMMUNITY SERVICE

Committee Member, Steam Advisory Panel, Anderson Serangoon Junior College, 2023 - Present