

Curriculum Vitae



Professor Koh Hian Chye

Professor Emeritus and Adjunct Professor
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Education Qualifications

1987	PhD (Accounting), Virginia Polytechnic Institute & State University (Virginia Tech)
1983	BAcc (2nd Class Honours), National University of Singapore

Academic and Professional Experience

2022	Adjunct Professor, SUSS
2016 - 2022	Director, Business Intelligence & Analytics
2013 - 2016	Assistant Provost, UniSIM College
2006 - 2012	Dean, School of Business, UniSIM
1998 - 2006	Vice-Dean, Nanyang Business School (NBS), NTU
1995 - 1998	Division Head, Actuarial Science & Insurance, NBS (NTU)
1987 - 1997	Faculty, NBS (NTU)
1983 - 1987	Senior Tutor, NTI/National University of Singapore

Memberships and Professional Activities

2013	FCA Singapore [Fellow Chartered Accountant] (Singapore, ISCA)
2006 - 2016	FACCA [Fellow Association of Chartered Certified Accountants (UK)]
2004 - 2012	FCPA Singapore [Fellow Certified Public Accountant] (Singapore, ICPAS)
1989 - 2003	CPA Singapore [Certified Public Accountant] (Singapore, ICPAS)

Consultancy and Executive Experience

- InfoComm Development Agency (IDA); Pattern Recognition and Machine Intelligence Society (PREMIA)- Data Mining Trainer
- KPMG Services - Research & Statistical Consultant
- Sift Analytics; MinSheng Bank - Data Mining Course Instructor

- LinkAsia; Health Promotion Board; MobileOne; National Computer Systems - Data Mining Consultant
- SAS Institute - Data Mining Consultant & Instructor
- Stone Forest Management Consultants; PKF Consultants - Market Research Consultant
- Auditor General's Office - Honourary Consultant on Statistical Applications
- Singapore Post; Singapore General Hospital; Commercial Affairs Department (MOF); Diners' Club; Singapore Tourist Promotion Board; Singapore Pools - Statistical Consultant

Research Interests

- Institutional analytics; learning analytics; data mining and business analytics applications

Selected Publications and Presentations (from 2006 since joining SUSS to retirement in June 2022)

- Tan, J W C, Gervais, G, and Koh, H C, "Online Engagement as a Decision Criterion in Digital Course Design", *International Conference on Education, Research and Innovation* (Online Conference, hosted in Spain), November 2021.
- Koh, H C, "Transforming Education Using Learning Analytics: Opportunities and Challenges", Invited Keynote Address, *Learning Retreat* (Online, hosted by Republic Polytechnic in Singapore), September 2021.
- Tan, J W C, Lee, C S and Koh, H C, "Implementing an Online Engagement Framework Using LMS Data: A Case Study", *International Conference on Education and New Learning Technologies* (Online Conference, hosted in Spain), July 2021.
- Koh, H C, and Tan, J W C, "Applying Data Analytics in Digital Course Design", Invited Keynote Address, *Wiley Education Asia Webinar Series* (Online, hosted in Singapore), June 2021.
- Koh, H C and Tan, J W C, "SUSS's Learning Analytics Journey", *John Wiley (Asia-Pacific) Education Meeting* (Online Conference, hosted by Wiley [Singapore]), July 2020.
- Tan, J W C, Gervias, G and Koh, H C, "A Course Level Analysis of Academic Performance of Adult Learners", *ASCILITE 2019* (Singapore), December 2019.
- Cheong, H K, Koh, H C, Chong, S N Y and Lim, R W Y, "Learning Analytics in SUSS: Vision, Action, Implementation, Translation and Collaboration", Panel Session at *ASCILITE 2019* (Singapore), December 2019.
- Koh, H C, "Enhancing Student Support with Learning Analytics: The SUSS Experience", Keynote Address at *ASCILITE 2019* (Singapore), December 2019.
- Tan, C H, Tan, J W C and Koh, H C, "Harnessing Learning Analytics to Improve Online Quiz Equity", *The International Academic Forum* (Tokyo: Japan), October/November 2019.
- Tan, J W C and Koh, H C, "Using Data Mining to Validate and Enhance the Student Selection Process", *International Conference on New Achievements and Developments in Multidisciplinary Academic Research* (Seoul: South Korea), June 2019.

- Koh, H C, "Transforming Higher Education through Analytics: The Case of SUSS", *HEPA Forum 2019* (Kuala Lumpur: Malaysia), April 2019.
- Tan, J W C and Koh, H C, "Operationalising Online Engagement", *International Academic Conference on Global Education Teaching and Learning* (Vienna: Austria), November 2018.
- Koh, H C, "Faculty & Administrators with Skills Aligned to DSA-Enabled Mindset: The Singapore University of Social Sciences (SUSS)", *APEC Project DARE 2018 Workshop* (Hong Kong: China), October 2018.
- Tan, J W C, Gervais, G and Koh, H C, "University Leadership and Support in Learning Analytics", *Learning Analytics and Knowledge Conference* (Sydney: Australia), March 2018.
- Tan, J W C and Koh, H C, "Blended Vis-à-vis Face-to-Face Courses: The Effect of Delivery Mode on Adult Learners' Performance", *The Asian Conference on Education* (Kobe: Japan), October 2017.
- Koh, H C, "Institutional Analytics and Its Applications in Higher Ed", *Higher Education Summit Asia* (Singapore), September 2017.
- Tan, J W C and Koh, H C, "A Comparison of Adult Learners' Performance in Blended Vis-à-vis Face-to-Face Courses", *International Conference on Education and New Learning Technologies* (Barcelona: Spain), July 2017.
- Koh, H C, "Institutional Analytics in SUSS: Objectives, Methodology, Progress & Challenges", *ICDE Leadership Summit* (Nancy: France), May 2017.
- Koh, H C, "Educational Data Mining and Learning Analytics", *International Conference on Business and Information* (Nagoya: Japan), July 2016.
- Koh, H C, "Determinants of Students' Performance in Accounting Programmes", in Wilson (Ed), *The Routledge Companion to Accounting Education* (Routledge), 2014, pp. 449-469.
- Koh, H C and S Chong, "Broadening and Deepening of SoTL with Learning Analytics", *Advances in SoTL* (Singapore), 2014, Volume 1 Number 1, pp. 49-62.
- Koh, H C, "The Rise of Learning Analytics", *SingTel i.Luminate 2012* (Singapore), November 2012.
- Gan, L., H C Koh and Frederick, J R, "Profiling of Medical Tourists in North Carolina", *International Conference on Business and Information* (Sapporo: Japan), July 2012.
- Koh, H C, "Data Mining Applications in Healthcare: A Study of ADHD", *International Conference on Business and Information* (Bangkok: Thailand), July 2011.
- Koh, H C and G Gervais, "Fraud Detection Using Data Mining Techniques: Applications in the Motor Insurance Industry", *International Conference on Business and Information* (Kitakyushu: Japan), July 2010.
- Koh, H C, "A Data Mining Analysis of Healthcare Tourism in Singapore", *International Conference on Tourism Development and Management* (Kos Island: Greece), September 2009.
- Johnson, S D, H C Koh and L N Killough, "Organizational and Occupational Culture and the Perception of Managerial Accounting Terms: An Exploratory Study Using Perceptual Mapping Techniques", *Contemporary Management Research* (Taiwan), 2009, Volume 5 Number 4, pp. 317-342.

- Gan, L, R C Ramin and H C Koh, "Profiles, User and Perceptions of Singapore Multiple Credit Cardholders", *Journal of Services Marketing* (United States), 2008, Volume 22 Issue 4, pp. 267-279.
- Koh, H C, "Using Data Mining Techniques in Accounting Research", *International Conference on Accounting and Information Technology* (Taipei: Taiwan), August 2008.
- Chia, Y M and H C Koh, "Organizational Culture and the Adoption of Management Accounting Practices in the Public Sector: A Singapore Study", *Financial Accountability & Management* (United Kingdom), 2007, Volume 23 Number 2, pp. 189-213.
- Cheng, P, H C Koh and C K Low, "Identifying Financial Characteristics with Decision Tree Models", *Asian Finance Association Conference* (Hong Kong), July 2007.
- Fock, S T and H C Koh, "Conceptualisation of Trust and Commitment, and Understanding the Relationships between Trust, Commitment and Willingness to Try Internet Banking Services", *International Journal of Business and Information* (United States), 2006, Volume 1 Number 2, pp. 194 - 208.
- Khim, L S, H C Koh and S Shetty, "Some Potential Issues of Service Quality Reporting for Airlines", *Journal of Air Transport Management* (United States), 2006, Volume 12, pp. 293-299.
- Fan, G Z, S E Ong and H C Koh, "Determinants of House Price: A Decision Tree Approach", *Urban Studies* (United Kingdom), November 2006, Volume 43 Number 12, pp. 2301-2315.
- Koh, H C, W C Tan and C P Goh, "A Two-step Method to Construct Credit Scoring Models with Data Mining Techniques", *International Journal of Business and Information* (United States), 2006, Volume 1 Number 1, pp. 96-118.
- Teoh, W K and H C Koh, "Viewing the Balanced Scorecard in a Practical Light", *Measuring Business Excellence* (United Kingdom), 2006, Volume 10 Number 2, pp. 65-76. *[This paper has been awarded the Outstanding Paper Award at the Emerald Literati Network Awards for Excellence 2007 for being the best paper in the field.]*
- Cheng, P, H C Koh and C K Low, "Understanding US Bank Failures and Developing an Early Warning System with Decision Tree Models", *Australasian Finance and Banking Conference* (Sydney: Australia), December 2006.
- Koh, H C and G Gervais, "Using Data Mining for Travel and Tourism Research", *International Conference on Business and Information* (Singapore), July 2006.
- Koh, H C, G Gervais and S K Yeung, "Using Technology in Education: The Application of Data Mining", in Tsang, Kwan and Fox (Eds), *Enhancing Learning through Technology* (World Scientific Publishing), 2006, pp. 185-198.