

CURRICULUM VITAE



PERSONNEL DETAILS:

Name : Sau Mui LAU, Adela
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RESEARCH SPECIALITIES

1. AI, Data Science, Social Media and Big Data Analytics
2. Business/Health Informatics and Artificial Intelligence
3. Image/Video/Emotion/Brain Analytics, AI chatbot, and Metaverse
4. Risk Management and Business intelligence
5. E-learning and Knowledge Management
6. IS adoption, E-business Strategies and Applications (Healthcare, Finance, Marketing, and Supply Chain Management)

APPLIED RESEARCH, TEACHING, AND CONSULTANCY SERVICES AWARDS RECEIVED

2010 NANDA Foundation Research Grant Award (Nursing Informatics - International open competition in USA)

2009 Inaugural Teaching and Learning Showcase Award, PolyU

2007 Faculty Merit Award in Services, PolyU

APPLIED RESEARCH AND TEACHING AWARDS RECEIVED

2025 Most innovation Paper Award in the 6th International Conference on Modern Management based on Big Data

2025 Best Applied Research Paper Award in the 6th International Conference on Modern Management based on Big Data

2025 Most Impact Paper Award in the 6th International Conference on Modern Management based on Big Data

2025 Most Industrial Practical Application Paper Award in the 6th International Conference on Modern Management based on Big Data

HKU START-UP AND SPINOFF COMPANY AND APPLIED RESEARCH COMMERCIALIZED PRODUCTS

1. Thinkify Technology Limited

- Commercialization of facial and audio emotion detection 2025
- Commercialization of metaverse schools 2025

2. Dr Adela Education Limited

- ✓ Commercialization of E-health chatbot for education 2025

3. ESG Innovation Company Limited

- Commercialization of ESG assessment instrument 2025

TEACHING SPECIALITIES

1. Capstone Projects, Service Learning, Virtual Internship, and Program Directorship
2. Artificial Intelligence, Data Analytics, Social Media Analytics, and Big Data Analytics
3. Computer Programming, and Data Structure
4. Health Informatics, E-patient Records, and Healthcare Analytics
5. Risk Management, Business Intelligence and Digital Marketing
6. E-commerce/E-business, Information Systems and Technology, and Knowledge Management
7. Enterprise Management, Logistic Management, and Customer Relationship Management

QUALIFICATION

2022 QS World University Ranking: <http://www.topuniversities.com/qs-world-university-rankings>

The Chinese University of Hong Kong (ranked 32 in QS Top University Ranking) 1999 - 2002
Doctor in Philosophy in stream of Information Systems and Finance Engineering (2002)

The University of Hong Kong (ranked 11 in QS Top University Ranking) 1996 - 1997
Master of Science in Computer Science (1997)

City University of Hong Kong (ranked 54 in QS Top University Ranking) 1993 - 1996
Degree of Bachelor of Engineering with second class Honours, upper division in Electronic Engineering (1996)

OTHER CERTIFICATIONS

LCC level II in bookkeeping (*with distinction*) 1991
LCC level III in accounting (*with distinction*) 1991

LEADERSHIP (IN UNDERGRAGUATE AND POSTGRADUATE STUDY)

1. Class representative in the University of Hong Kong
2. Group representative in City University of Hong Kong

TECHNICAL SKILLS

Data/text mining:	Weka, R, RapidMiner, SPSS, SAS, Large Language Model, Deep Learning, NetworkX
Big Data/AI:	Apache Spark, SparkR, SparkSQL, Spark MLlib, Spark RDD, Hadoop MapReduce, QlikSense, Tensorflow, Keras, PyTorch
Web Services:	REST API, WSML, WSMO, WSDL, OWL/RDF, XML, SOAP, HTML, WML, AWS
Programming:	Python, Java language, JavaScript, Java Servlet, json, JSP, C/C++ programming language, Assemble, FOOPS language, Matlab, CLIPS, MIDlets, Pascal, Dephi, Django, Flask, Lua, Three.js, Unity
Database:	Oracle, IBM websphere, MySQL, NoSQL, MS Access
Computer Knowledge	Window, Unix, Internet, Dos, Microsoft Word, Microsoft Excel, Lotus, Pads. Microsoft Access, Lotus Notes, CapCut, social network software such as RSS, Blogs and etc.

LANGUAGES

Spoken: English, Cantonese, Mandarin

Written: Chinese and English

HOBBIES

Reading, Swimming & Fitness

WORKING EXPERIENCES

The University of Hong Kong (11 th QS Top Universities)	Department of Statistics and Actuarial Science <ul style="list-style-type: none"> ♦ Deputy Director of Data Science Lab ♦ Lecturer in Data Science ♦ Academic advisor ♦ TSSSU Information Technology Review Panel ♦ Deputy Director of MSc in Data Science Program ♦ Program coordinator in UG in Applied AI 	7.2020 Present
Madonna University	School of Business (MSc in Health Administration, Bachelor of Business Administration) <ul style="list-style-type: none"> ♦ Associate/Assistant Professor in Data Analytics and Business Research (2018 Fall – 2020 Winter) ♦ Director of Center for Business (2018 Fall – 2020 Summer) ♦ Committee member of 1) undergraduate and graduate program, 2) service learning and civil engagement, study aboard, 3) information technology, and 4) Institution of Research Board (2019 Fall – present) ♦ Academic advisor (2019 Fall – 2020 Summer) ♦ Data Analytics Program Director (2018 Fall – 2019 Winter) ♦ Adjunct Associate Professor in Health Informatics and Management Information Systems. (2017 Winter-2018 Winter) ♦ Research Committee Advisory (2017 Winter – 2018 Winter) 	1.2017 - 8.2020
The Hong Kong University of Science and technology (44 th QS Top Universities)	Interdisciplinary Program Office <ul style="list-style-type: none"> ♦ Senior Lecturer (Associate Professor) & UG Coordinator (Executive Program Director) in Risk Management & Business Intelligence ♦ Chair of the program advisory board: Industrial, Student & Alumni ♦ School Faculty Advisor 	7.2010 - 6.2016
The Hong Kong Polytechnic University (54 th QS Top Universities)	School of Nursing (Center of Digital Health) <ul style="list-style-type: none"> ♦ Assistant Professor in Health Informatics & Information Systems 	8.2007 - 6.2010
The Hong Kong Polytechnic University	Department of Industrial and Systems Engineering <ul style="list-style-type: none"> ♦ Lecturer in Information Systems and Knowledge Management ♦ Lecturer in E-business 	7.2005 - 7.2007 9.2001 - 6.2003
The Hong Kong Polytechnic University	Department of Computing Assistant Professor in E-commerce/E-business	8.2003 - 6.2005
The University of Hong Kong	Division of Information Technology, HKUSpace <ul style="list-style-type: none"> ♦ Tutor/Lecturer in BSc in Information Systems and Computing, MSc in Information Technology, MSc in E-commerce 	9.1997 - 6.2003
The Chinese University of Hong Kong (32 th QS Top Universities)	Department of Systems Engineering and Engineering Management <ul style="list-style-type: none"> ♦ Project Leader of E-Government Project <ul style="list-style-type: none"> - Study the readiness of HK government on E-commerce - Advising on implementing E-commerce Environment in HK 	10.2000 - 1.2001
The University of Hong Kong (11 th QS Top Universities)	Faculty of Education <ul style="list-style-type: none"> ♦ Research Assistance of the Business Process Re-engineering Project for Department of Curriculum Studies” 	10.1998 - 12.1998
The University of Hong Kong	Department of Curriculum Studies <ul style="list-style-type: none"> ♦ Programmer (To design and implement a software for primary school Chinese dictionary for department of curriculum studies) 	9.1997 - 8.1998
The University of Hong Kong	Department of Electrical and Electronic Engineering <ul style="list-style-type: none"> ♦ Research Assistance of the Financial Digital Library in Cluster Environment Project 	6.1997 - 8.1997
City University of Hong Kong (63 th in QS Top Universities)	Department of Electronic Engineering <ul style="list-style-type: none"> ♦ Research Assistance of the Computer Vision in Depth Recognition Project 	6.1996 - 8.1996
Fire Equipment Company	Account Clerk	7.1993 – 8.1993
Manual Life Insurance Co	Insurance Consultant	5.1989 - 6.1989
Emperor Group/FrankWell/Fat King Financial Investment Co	Financial Consultant	8. 1989 - 6. 1990

BIOGRAPHICAL INFORMATION

Dr Adela Lau's research specialties are in (i) AI, data science, metaverse, risk management, (ii) text/web/social/brain/emotion/big data analytics of ESG/finance/enterprise/healthcare/marketing; (iii) e-learning and knowledge management; and (iv) e-business strategies, informatics and applications. She has published over 60 journal and conference papers, 5 donations, and was funded over 40 research and industrial collaboration and consultancy projects in the areas of AI, data science, metaverse, intelligence software design and implementation, machine learning, business intelligence, social media analytics, big data analytics, risk management, information system implementation, taxonomy building, ontology engineering, enterprise business re-engineering, portal development, knowledge management, IS adoption, e-learning, public/community health studies, healthcare systems, and nursing clinical quality control and assessment. She gained some research and service awards, including NANDA Foundation Research Grant Award and Faculty Merit Award in Services from 2007 to 2010.

From 2020 to 2025, Dr. Lau is the Lecturer and **Deputy Director of the HKU SAAS Data Science Lab** at the **University of Hong Kong (ranked 11th in QS Top University Ranking)**. She teaches courses and focuses on applied education and research in the area of artificial intelligence, data science, programming, and text/web/social/image/video/brain/social media/big data analytics. She innovates, promotes, and leads the data science and AI and data science applications across universities, schools, and industry local and overseas. **In applied research consultancy funds**, Dr Lau obtained (1) **two image analytics** industrial consultancy projects worth **HK\$0.35 million in 2022/2023**, (2) **one social media** and **two AI in metaverse** consultancy projects worth **HK\$1.15 million in 2023/2024**, (3) **one AI in mixed reality**, **three AI chatbots** and **one AI in ESG** consultancy projects worth **HK\$0.9million in 2024/25**, and (4) **one AI chatbot** and **one Generative AI in e-learning** consultancy projects worth **HK\$ 1 million dollars in 2025/26**. **In the applied research RGC government fund**, Dr. Lau also earned an **AI in Olympic Sports applied research project** from HKSRA worth **HK\$5.3 million in 2023/24**, and an **AI in medical chatbot applied research project from RGC Research Impact Fund worth HK\$3 million in 2025/26**. She conducts industrial consultancy, applied education, and applied research for industry and the community, and develops innovative software products and platforms with companies in the area of AI, metaverse, and text/web/social/image/video/brain/big data analytics, and **licensed and commercialized 3 applied research outcomes and spinning off 3 HKU Startups**.

In applied research outputs, Dr. Lau published **totally 15 journal paper (all with high impact factor) and 4 conference papers**: (1) **one Q1 journal paper in Knowledge-based System in 2023** (with impact factor of 1.934 (SJR) in ISM area, 7.6 (JIF) and 1.32(JCI) in **Computer Science and Artificial Intelligence** area, H-index 188, and ranked number 18 in Information Systems and Management), (2) **one Q3 journal paper in the MDPI in COVID in 2024** (with impact factor of 0.284 (SJR), 1.0 (JIF) and 0.35 (JCI) in Medicine area, H-index 14) **in 2024**, (3) **one Q2 journal paper in the International Journal of Entrepreneurship and Innovation in 2025** (with impact factor of 0.618 (SJR) in **Management of Technology and Innovation** area, 2.9 (JIF) and 0.41(JCI) in Business area, H-index 34, and ranked number 116 in Information Systems and Management area), (4) **twelve journal (book series) papers in Frontier in Artificial Intelligence and Applications in 2025** (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in **Artificial Intelligence** area), and (5) **one conference paper in CVPR in 2025** (with impact factor of impact factor 4.718, H-index 601, and ranked at the 1st in **Computer Vision and Pattern Recognition** area), and three other conference papers in 2023 and 2025. (6) She received **4 research paper awards** including most innovation paper award, best applied research paper award, most impact paper award, and most industrial practical application paper award. (7) She is **a book associate editor of Frontier in Artificial Intelligence and Applications in 2025**. She has **14 top tier journal papers (all with high impact factors) and 4 top-tier conference papers** under review on undergoing for publication in the AI or Data Science area in 2026.

In teaching innovation, Dr. Lau **develops a novel tri-model learning** that accelerates students' learning by integrating real industrial problems, competitions, and industrial mentoring into her teaching, and offering internship and consultancy opportunities for students to learn from real practices. She **offered over 50 internships and 5 virtual internships** in the HKU SAAS Data Science Lab for students to learn from theory to real practices in various departments in HKU and other local and overseas universities, and **published 5 conference papers and 15 top-tier journal papers with them from 2023-2025**. Dr. Lau has also been the

deputy director of the M.Sc. in Data Science and the program promotion director of the UG Applied AI program. She is responsible for the curriculum design, program promotion, internship program, and capstone projects. She also serves as the student advisor and admission coordinator for candidate interview and application evaluation.

In professional/university services, Dr. Lau is the funding review and judge panel of the Technology Startup Support Scheme (TSSSU) for Universities at HKU. She is currently the **associate editor of the Journal of Human Systems Management and the editorial board member** of the International Journal of Knowledge Engineering and Data Mining, and the International Journal of E-Healthcare. She is the **reviewer of several top journals**, such as Journal of Medical Internet Research, Industrial Management & Data Systems, Expert Systems with Applications, Intelligent Systems with Applications, etc. She is the **Advisory Board Member of Asia Financial Risk Think Tank, GreatBay Youth Talent in AI and Data Science, Academy of Professional Certification in AI, Technology and ESG, and ESG Development Association** in Hong Kong to promote and provide advices on financial/AI and Data Science Technologies and Standards/ESG risk management and big data analytics. She has been invited for **seven keynote speeches or invited talks by industry or international academic conferences** on AI, Data Science, VR/AR/ER, Metaverse, Blockchain, Finance, ESG, and Innovative Education. She is the **academic and industrial program co-organiser, track chair, and/or committee organization for various AI, Data Science, Business and Knowledge Management conferences.**

From 2017 to 2020, Dr. Lau is the **Assistant/Associate Professor of Data Analytics and Business Research in Madonna University in the USA** and teaches data science, nursing informatics, big data analytics, technology management, and information systems, business technologies, business research methods, and MBA courses in the M.Sc. in Business Administration (MBA), M.Sc. in Criminal Justice, B.Sc. in Nursing, and B.Sc. in Data Analytics/Science. She is the **director of the Center for Business Development** at the School of Business of Madonna University for business innovation development and opportunities for the US government, SMEs, and community. She is **10 university/school/departmental-wide community board members**, such as (1) University's Research Ethical Committee, E-learning and IT Committee, Civil Engagement and Community Services Committee, (2) School's Quality Accreditation Committee, and (3) Department's M.Sc. in Health Administration/Nursing Informatics Program Committee, M.Sc. in Health Administration Program Committee, Master in Business Administration (MBA) Program Committee, UG Business Administration Program Committee, UG Data Science Program Committee. She also has a **start-up of A&A Research, Training and Consultancy Ltd** in the USA since 2016 and has been working on the **OCR image-to-text, machine learning and intelligent software development projects and consultancy services** for her clients in international-listed companies and local organizations such as AIA, Ford Motor, FishLoaves, Detroit GOV Commerce, etc. She obtained **one industrial research fund and one teaching grant worth around HK\$500,000.** She has published **two journal papers, one textbook chapter, and three conference papers in AI, Big Data for business and healthcare areas.**

From 2010 to 2016, Dr. Lau was the **Senior Lecturer (Associate Professor in Education) and Undergraduate Coordinator (Associate Director) of the Risk Management and Business Intelligence Program** of the Interdisciplinary Program Office of the Hong Kong University of Science and Technology (HKUST). She was also a **program quality assurance board member, the chair of the program advisory board, and the UG Working Committee Management member of the Interdisciplinary Programs Office (IPO), and a member of the Data Science Center in HKUST.** She was responsible for e-learning, applied research, industrial networking, capstone project, program admission, promotion (in HKUST, local schools, and overseas schools), curriculum development, enrichment programs including newsletter writing, symposium, student exchange, internship, mentorship, and industrial networking, and alumni activities. She taught courses in risk management, business intelligence and **supervised over 36 capstone projects for over 120 students** in HKUST with the industries, and **sought and liaised with over 100 directors for RMBI students** from the top leading banking, insurance, and finance firms such as HKMA, SFC, Bloomberg, JPMorgan, Morgan Stanley, HSBC, HangSeng Bank, DBS, US Bank, AIA, Manulife, HKSAR departments, and other well-known AI, software and technology companies in Hong Kong and overseas for RMBI mentorship program. **She achieved the IPO's mission for the program and student excellence for HKUST's mission that RMBI students' salaries are 50% higher than other programs in HKUST, and is**

one of the three top-tier elite programs in HKUST. Dr. Lau was also the committee member of Data Science Center of HKUST to promoting and initiating applied-research collaborations between faculty members and industrial parties on big data analytic research. Dr. Lau obtained **an e-learning fund for critical thinking and talent training worth HK\$150,000** in HKUST. She published **one journal paper (with high impact factor) and one conference paper.** She has published **one journal paper (all with high impact), and one conference paper, and 10 RMBI magazines in AI, Risk Management and E-finance area.**

From 2001 to 2010, Dr. Lau was the **Assistant Professor/Lecturer**, and was the **co-director of the Center for Integrative Digital Health** and supervised the IT team on innovative healthcare product development, and was a committee member of the Knowledge Management Research Center at the Hong Kong Polytechnic University (PolyU). Dr. Lau was the program committee member of the program of B.Sc. in Enterprise Engineering and Electronic Business, M.Sc. in Health Informatics, and M.Sc. in Knowledge Management programs at the Hong Kong Polytechnic University in Hong Kong. She has taught courses including mathematics, data structure, computing and programming, telecommunication and networking, human interactive computing, neural networks, computational intelligence for decision-making, IS design and implementation, software and data quality, e-commerce, e-business, supply chain/logistic/enterprise management, enterprise resources planning, customer relationship management, information system management, knowledge management, electronic patient records, healthcare informatics, and healthcare leadership. Her student feedback results were always at the high end of the university teaching scores, and she broke the highest score record. Dr. Lau also obtained **two departmental research grants in Business and Chinese Medicine Informatics (Ontology Building) and Knowledge Discover, two e-learning grants in Scenario-based Learning and Blended Learning, two community grants from School Obesity Prevention Program and Nursing Practice Quality Assurance, and over 15 consultancies and 3 donations worth around HK\$ 15 million** from government bodies and well-known companies such as SFC, C&SD, EPD, HA, HKPolice, Housing Authority, Microsoft, IBM, SPSS, Quality Health, Cathay Airline, Leo Paper Group, Xerox, etc. Dr. Lau obtained an Inaugural Teaching and Learning Showcase Award and Faculty Merit Award from PolyU, and one NANDA Foundation Research Grant Award (Nursing Informatics). She has published **10 journal papers (all with high impact factor), 14 conference papers and 3 textbook chapters in AI, Ontology, informatics, text analysis, knowledge management, and information system areas.**

From 1997 to 2002, she taught courses of artificial intelligence, human interactive computing, Programming, computer network, information system management, e-commerce in the B.Sc. program in Computer and Information Systems at London University, and the M.Sc. in E-commerce at Middlesex University of the UK in HKU. She was an advisory board member of the M.Sc. in E-commerce at Middlesex University, and **supervised over 200 Master and Bachelor students with 100% passing rate** from the norm of the program only 78% passing rate from all supervisors. **From 1999-2001,** she **finished her PhD in 2.5 years** to graduate, and was the **teaching consultant** for courses in artificial intelligence and expert systems at the Chinese University of Hong Kong. She has published **4 journal papers (all with a high impact factor), 4 conference papers in AI, information systems, human behavior adoption, and e-finance areas.**

ACADEMIC AWARDS AND ACHIEVEMENT

AWARDS RECEIVED

Applied Research, Teaching and Consultancy Service Awards

- 2010 NANDA Foundation Research Grant Award (Nursing Informatics - International open competition in USA)
- 2009 Inaugural Teaching and Learning Showcase Award, PolyU
- 2007 Faculty Merit Award in Services, PolyU

Applied Research and Teaching Awards

- 2025 Most innovation Paper Award in the 6th International Conference on Modern Management based on Big Data
- 2025 Best Applied Research Paper Award in the 6th International Conference on Modern Management based on Big Data
- 2025 Most Impact Paper Award in the 6th International Conference on Modern Management based on Big Data
- 2025 Most Industrial Practical Application Paper Award in the 6th International Conference on Modern Management based on Big Data

APPLIED RESEARCH COMMERCIALIZED PRODUCTS AFTER INDUSTRIAL CONSULTANCY WORK

HKU START-UP AND SPINOFF COMPANY

2024 Thinkify Technology Limited

- ✓ Commercialization of facial and audio emotion detection apps, 2025
- ✓ Commercialization of metaverse schools, 2025

2024 Dr Adela Education Limited

- ✓ Commercialization of E-health chatbot for education, 2025

2024 ESG Innovation Company Limited

- Commercialization of ESG assessment instrument, 2025

ACADEMIC AND PROGRAM LEADERSHIP

Academic Program Directorship

- Co-Director of MSc in Data Science, HKU (2020-2023)
- Program Promotion Director, UG Applied AI, HKU (2020-2022)
- Program Director in Data Analytic, BSc in Business Administration, MU, USA (2018 – 2020)
- School committee, Undergraduate and Graduate Programs, School of Business, Madonna University, USA (2018 – 2020)
- Associative Director (UG Coordinator) of Interdisciplinary Programs (oversees the program, supervise the program office staff to manage and promote the program, and coordinate with the 3 departments' colleagues to run the interdisciplinary program), HKUST (2010 – 2016)
- Program committee, BSc in Risk Management and Business Intelligence, Interdisciplinary Programs Office, HKUST (2010 – 2016)
- Program committee, MSc in Health Informatics, PolyU (2008 – 2010)
- Program committee, MSc in Knowledge Management, PolyU (2006 – 2007)
- Program committee, MSc in e-commerce, Middlesex university, UK (2001-2002)

University Services and Committee Member

- Committee member of Board of Study of the School of Computing and Data Science (2024-2026)
- Committee member in the technology panel of the TSSSU@HKU (2020 – present)
- University committee member of Information Technology Advisory Board, Madonna University, USA (2019 – 2020)
- University committee member of Study Aboard, Madonna University, Madonna University, USA (2019–2020)
- University committee member of Civil Engagement and Service-Learning Advisory Board, Madonna University, USA (2018 – 2020)
- Working Group of Rubric Development for AACSB-accreditation quality assurance. Madonna University, USA (2019 – 2020)
- Board member of Institutional Research Board, Madonna University, USA (2019 – 2020)
- Chair of UG Working Committee, Program Quality Assurance, Interdisciplinary Programs, HKUST (2014 – 2016)
- Committee member of Area of Strategic Development in the School of Nursing in PolyU (2007–2009)
- Committee member of Knowledge Management Center of PolyU 2005 - 2007

Student Innovations Leads

- AI Innovations Challenge Competition, HKU SAAS Data Science Lab, 2025-2026
- AI Poem Challenge Competition, HKU SAAS Data Science Lab, 2024-2025
- AI in Virtual Entrepreneurship Challenge Competition, HKU SAAS Data Science Lab, 2023-24
- AI in Metaverse Challenge Competition, HKU SAAS Data Science Lab, 2022-2023
- AI in Robotics Vision and Technology Automation Challenge Competition, HKU SAAS Data Science Lab, 2021-2022
- Qlik Big Data Analytics Business Challenge Competition, USA, 2019 and 2020
- Fish and Loaves Innovative Awards Competition with Ford Community Corps Grant, USA, 2018
- ExporTech Awards Competition for Student Consultancy Services, USA, 2018
- Risk Insights Challenge Competition with KPMG and Qlik, HKUST, 2015
- Risk Management and Business Intelligence Symposium, HKUST, 2011-2016

Student Global Outlook Leads

Chief Editor of Risk Management and Business Intelligence Newsletter, HKUST, 2010-2016

APPLIED RESEARCH LEADERSHIP

Applied Research Center Directorship

- Deputy Director of HKU SAAS Data Science Lab, HKU (2020-Present)
- Director, Center for Business Development, School of Business, Madonna University (2018 -2020)
- Committee member of Data Science Center, HKUST (2010-2016).
- Co-director of the Center for Integrative Digital Health, School of Nursing, PolyU (2007 – 2010)
- Committee member of the Knowledge Management Research Center, Department of Industrial and Systems Engineering, PolyU (2005 – 2007)

Editor and Reviewer of Journalism

- Associate Editor of Journal Human Systems Management (2021 – Present)
- Founder and Editorial Board of the International Journal of Knowledge Engineering and Data Mining (2008 – Present)
- Editorial Board of International Journal of E-Healthcare (2005 – Present)
- Editorial Board of Researchpedia Journal of Digital Economy
- Reviewer of Expert Systems with Applications
- Reviewer of Intelligent Systems with Applications
- Reviewer of Journal of Medical Internet Research
- Reviewer of Industrial Management & Data Systems

Editor of Textbook

1. Editor, *Frontier in Artificial Intelligence and Applications*, IOS Press, Oct, 2025
2. Editorial Advisory Board, “Ephrem Eyob and Edem G. Tetteh Customer-Oriented Global Supply Chains”, IGI Global Publisher, March, 2012.

PROFESSIONAL LEADERSHIP

Professional Services Advisors

- Advisory Board Member of ESG Development Ltd (2024-Present)
- Advisory Board Member of Doctoral Supervision Development (AI and Data Science), Greater Bay Area Hong Kong & Macau Talents Association (2024 – Present)
- Professional advisor of the Academy of Professional Certification to provide enterprise risk management and technology consultation. (2020 – present)
- Advisory Board Member of Asia Financial Risk Think Tank in Hong Kong (2014 – present)
- Advisor and Judge of the Best Enterprise Risk Management (ERM) Awards, 2015
- Judge of CLP Power Innovation Award in Quality Control Circle Convention, 2007

Professional Body Membership for Industrial Liaison

- Member of NANDA-International (Nursing Diagnostic Terminology) 2007 - Present
- Member of Decision Sciences Institute 2007 - Present
- Member of Advisor Committee of Hong Kong Information Technology Advisory Committee at Office of Sin Chung Kai – Legislative Councilor (IT) 2005 – 2007
- Secretary of ACM for Computing Machinery (Hong Kong Chapter) 2005 - 2007
- Member of Area of Strategic Development in the School of Nursing in PolyU 2007 - 2009
- Member of Knowledge Management Center of PolyU 2005 - 2007
- Industrial Relation Chair of Institute of Systems Management 2005 – 2006
- Member of IEEE and IEEE Computer Society 2005 - 2007
- Member of Southwest Decision Sciences Institute (SWDSI) 2005 – 2007
- Member of International Association for Computer Information Systems (IACIS) 2005 - 2007

RESEARCH TRACK RECORDS

RESEARCH PUBLICATIONS (2020-2025, Artificial Intelligence, Data Science, Metaverse Education, Mixed Reality, Video Analytic, Text Analysis, Social Media Analytics, Brain Analytics, AI Applications, Financial and ESG Big Data, The University of Hong Kong)

Journal Papers Published

1. Adela S.M. Lau, W. Wu, P. Ma, and H. Lee, "Using Artificial Intelligence, Ontology and 3D Visualization in the Metaverse for Improving Collaborative Work and Collective Intelligence", Special issue on: The Metaverse as an opportunity for entrepreneurship and innovation, International Journal of Entrepreneurship and Innovation (with impact factor of 0.618 (SJR) in Management of Technology and Innovation area, 2.9 (JIF) and 0.41(JCI) in Business area, H-index 34, and ranked number 116 in Information Systems and Management area), 2025, <https://doi.org/10.1177/14657503241313362>.
2. L. Cheung, Adela S.M. Lau, K.F. Lam, and P.Y. Ng, "A Review of Environmental Factors for Pandemic Outbreak Prediction", COVID (with impact factor of 0.284 (SJR), 1.0 (JIF) and 0.35 (JCI) in Medicine area, H-index 14), 4(4), 466-480, 2024. <https://doi.org/10.3390/covid4040031>.
3. L. Cheung, Y. Wang, Adela S.M. Lau, and Chan, R.M.C, "Using a Novel Clustered 3D-CNN Model for Improving Crop Future Price Prediction", Knowledge-based System (with impact factor of 1.934 (SJR) in ISM area, 7.6 (JIF) and 1.32(JCI) in Computer Science and Artificial Intelligence area, H-index 188, and ranked number 18 in Information Systems and Management), 2023, <https://doi.org/10.1016/j.knosys.2022.110133>

Journal (book series) Papers Published

4. L. Cheung, J.R. Cao, Z. Lin, Anthony C.H. Sek, and Adela S.M. Lau, "Use of a Novel Clustered Bayesian 3D-CNN Model for Triage Classification of COVID-19 Mass Casualty Incidents", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
5. Adela S.M. Lau, H. Liu, V. Hung, C. Li, and M. Lam, "Development of a Novel Integrated Ontology-Based ESG Assessment Tool with AI Assistance for SMEs", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
6. Y.X. Dong, and Adela S.M. Lau, "A Review of Statistical and AI Methods for Predicting ESG Risks for Default", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
7. Adela S.M. Lau, J.D. Luan, L. Cheung, P. Ma, H. Lee, "A Novel Method of Emotion Classification and Reconstruction Using VGGNet and StarGAN for Mixed-Reality Interactions in HKU Campusland Metaverse", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
8. M.J. Huang, Z.H. Lin, X.Y. Chen, M.Q. Wu, and Adela S.M. Lau, "A Novel Lightweight Framework Using Zero-DCE and Epsilon Sampling Strategy for Improving Dark Object Recognition", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
9. Adela S.M. Lau, H.S. Xu, L.K. Wan, Y.Y. Li, C.J. Chen, and O. WAN, "A Novel DTPB-EM Model for Evaluating GUI and Non-GUI Chatbots for Self-Directed Learning", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
10. C.H. Liu, H.W. Pan, L.X., Yang, Y.F. An, Z.W. Hu, Z. Zhang, and Adela S.M. Lau, "Domain-Aware Healthcare Chatbot Incorporating BERT and RAG", Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.

11. H.Y. Hu, S.D. Hu, Y.H. Wei, **Adela S.M. Lau**, “Epidemic PINNs: A chatbot based on dual data- and physical-driven epidemic prediction”, *Frontier in Artificial Intelligence and Applications* (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
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14. Y.L. Yang, T. Su, S.H. Liu, and **Adela S.M. Lau**, “AI-CC SWOT Analysis for Sustainable Product Markets: A Cross-Cultural Comparison between China and the United States”, *Frontier in Artificial Intelligence and Applications* (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
15. JY Sing, C. Liu and **Adela S.M. Lau**, “AI’s Employment Promotion Mechanism for Chinese College Students in an Aging Society: A Dual-Perspective Study”, *Frontier in Artificial Intelligence and Applications* (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.

Conference Paper Published

16. **Adela SM Lau**, S. Kim, K. Gong, L. Cheung, L. Pang, I.C.H. Chiu, A.Y.C. Leung, E.A.N. Li, O.W.H. Leung, S.L.Y. Wong, P. Ma, and H. Lee, “Using a Mixed Reality, IoT, and Metaverse for Integrated STEAM Education to Improve Collective Intelligence”, *Southeast Decision Sciences Institute (SEDSI) 2025 Annual Conference*.
17. L. Cheung, X. Wang, J.Y. Zhang, R.K.M. Poon, **Adela SM Lau**, “Applications of Generative AI: A Case Study of AI Doctor”, *Southeast Decision Sciences Institute (SEDSI) 2025 Annual Conference*.
18. Y.K. Lin, H.K. Fung, J.J. Xu, Z.P. Ren, **Adela S.M. Lau**, G.S. Yin, X. Li, “MVPportrait: Text-Guided Motion and Emotion Control for Multi-view Vivid Portrait Animation”, *IEEE Conference on Computer Vision and Pattern Recognition* (with impact factor of impact factor 4.718, H-index 601, and ranked at the 1st in Computer Vision and Pattern Recognition area), 2025.
19. R. Hu, L. Cheung, J. Li, **Adela S.M. Lau** & R Chan. Using AI on the Ontology for Intelligent Big Data Visualization: A Case Study on Crop Future Price Prediction, *Southeast Decision Sciences Institute (SEDSI) 2022 Annual Conference*.

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20. **Adela S.M. Lau** and A.J. Tallón-Ballesteros, *Frontier in Artificial Intelligence and Applications* (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), IOS Press, Oct, 2025

RESEARCH PUBLICATIONS (2017-2019, Artificial Intelligence, Data Science, E-healthcare and Global Market, Madonna University, USA)

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21. Adela SM Lau & Nidhal Bouazizi, "Big Data Analytics for International Market Expansion: Case Studies in ExporTech", International Journal of Knowledge Engineering, Vol. 5, No. 2, 2019.
22. Noura Khreis, Adela S.M. Lau, Ahmed Al-Jedai, Salma M. Al-Khani, and Ezdehar H. Alruwaili, "An Evaluation of Clinical Decision Support and Use of Machine Learning to Reduce Alert Fatigue", International Journal of Computer and Communication Engineering 2019.

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23. Adela S.M. Lau, Kristine Baker, Katherine Kempf, Katie Grzyb, Sijuade Oke, Eric Tsui, Liege Cheung, Marie-Claire Slama, and Min Su. "AI and Social Media Analytics for Health Systems: Understanding Consumers' Preferences in Healthcare", Adaptive Health Management Information Systems: Concepts, Cases, & Practical Applications, Chapter 13, Jones & Bartlett Publisher, September 17, 2019.

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24. Adela SM Lau & Nidhal Bouazizi, " Using Big Data Analytics for Market Opportunities: A Case Study of Market Expansion Research", International Conference of Knowledge Discovery, 2019.
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26. Adela SM Lau, "Future Development of Information Systems: Business Semantics Intelligence", Symposium for Research, Scholarship, and Creativity, Apr 12, 2017.

RESEARCH PUBLICATIONS (2010-2016, Artificial Intelligence, Web 2.0 and 3D Education, Hong Kong University of Science and Technology)

Journal Papers

27. Adela Lau, "Hospital-Based Nurses' Perceptions of the Adoption of Web 2.0 Tools for Knowledge Sharing, Learning, Social Interaction and the Production of Collective Intelligence", **Journal of Medical Internet Research (impact factor 6.0)**, Vol 13, No 4, e92, p.1-12,2011 (*Cited by 130*).

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28. H. Lee, H. Leung, Adela Lau, K.P. Mark, "Evaluation Studies of 2D and Glasses-Free 3D Contents for Education - Case Study of Automultiscopic Display Used for School Teaching in Hong Kong", Advances in Education", p.77-81, 2012.

Magazine Co-editor

29. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 11, Oct, 2016.
30. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 10, Dec 2015.
31. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 9, July, 2015.
32. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 8, March, 2015.
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35. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 5, Dec, 2012.
36. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 4, June, 2012.
37. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 3, Dec, 2011.
38. Risk Management and Business Intelligence, HKUST Newsletter Magazine, Issue 2, Feb, 2011.

RESEARCH PUBLICATIONS (2000-2010, Artificial Intelligence, Data Science, Ontology Informatics, Text Analysis, E-Learning, Portal Engineering and System, Knowledge Management, Applications for Business, Finance, Healthcare, Nursing, Chinese Medicine Applications, Hong Kong Polytechnic University)

A. Artificial Intelligence, Health/Business Informatics (Ontology), Social Media and Big Data Analytics

Journal Papers

39. Adela Lau and S. Tse, “Development of the Ontology Using a Problem-Driven Approach: In the Context of Traditional Chinese medicine Diagnosis”, International Journal of Knowledge Engineering and Data Mining, Vol 1, p.37 – 49, 2010 **(Cited by 4)**.
40. Adela Lau, “Implementation of an onto-wiki toolkit using web services to improve the efficiency and effectiveness of medical ontology co-authoring and analysis “**Informatics for Health and Social Care (impact factor 3.082) – (Former journal name: Medical Informatics and the Internet in Medicine)**, Vol. 34, No. 1, p.73 - 80, 2009 **(Cited by 9)**.
41. E. Tsui, W.M. Wang, C.F. Cheung, and Adela S.M. Lau, “A Concept-Relationship Acquisition and Inference Approach for Hierarchical Taxonomy Construction from Tags”, **Information Processing & Management (impact factor 7.4)**, Vol. 46, Issue 1, p.44-57, 2010 **(Cited by 51)**.
42. Adela Lau, E.Tsui & WB Lee, “An Ontology-based Similarity Measurement for Problem-based Case Reasoning”, **Expert systems and Application (impact factor 7.8)**, Vol. 36, Issue 3, Part II, p.6574-6579, 2009 **(Cited by 35)**.

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43. Adela.Lau, “Nursing Diagnosis Ontology using Problem-driven Approach”, the 40th Annual Meeting of Decision Science Institute, (2009) **(Invited paper)**.
44. Adela Lau, “Next Generation of E-patient Record: Moving from Information-based into Knowledge-based”, Engineering the Computer Science and IT, 2009.
45. Adela Lau, “What is Next Generation of E-patient Record? WORLDCOMP'08 Congress conferences in computer science, computer engineering, and applied computing (Knowledge Management in Healthcare Session), 2008.
46. Adela Lau, “Ontology and Data Mining for Patent Document Classification”, The 38th Annual Meeting Decision Sciences Institute, 2007.
47. Adela Lau, “Ontology in Semantic Web for Knowledge Sharing”, WORLDCOMP'07 Congress conferences in computer science, computer engineering, and applied computing, p. 42 – 46, 2007.
48. Adela Lau, E. Tsui & WB Lee, “Clustered Ontology-based Knowledge Representation of Cases”, The 3rd Asia-Pacific International Conference on Knowledge Management, 2006.

B. E-learning and Knowledge Management

Journal Papers

49. Adela Lau & E. Tsui, "Knowledge Management Perspective on E-learning Effectiveness", *Knowledge-based Systems (impact factor 8.03)*, Vol 22, p. 324-5, 2009 **(Cited by 112)**.

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50. T.B.Y. Liew, E. Tsui, P.S.W. Fong and Adela Lau, "Rapid Authoring Platform for Instructional Design of Scenarios (RAPIDS)", 12th IEEE International Conference on Advanced Learning Technologies, p.473-475, 2012 **(Cited by 2)**.

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51. Adela Lau & E. Tsui, "Application of Web2.0 Technology for Clinical Training", *Social Web Evolution: Integrating Semantic Applications and Web2.0 Technologies*, Information Science Reference (an imprint of IGI Global: ISBN 978-1-60566-272-5 (hardcover) & ISBN 978-1-60566-273-2 (ebook)), Hershey, New York, U.S.A., p.132 – 137, 2009 **(Cited by 1)**.
52. T.B.Y. Liew, E. Tsui, P.S.W. Fong and Adela Lau, "Learning Knowledge Management concepts via the use of a Scenario Building Tool on an E-Learning platform", International Conference on Hybrid Learning, 25-27th August, 2009, Macau, to appear in *Lecture Notes in Computer Science, Springer-Verlag (Cited by 2)*.
53. E. Tsui, C. Yu, Adela Lau, "A two-tier approach to elicit enterprise portal user requirements", *Encyclopedia of Portal Technology and Application, ISBN-13: 978-1591409892*, Information Science Reference, 2007.

C. E-business Strategies & Applications (E-commerce, E-government, E-Customer Relationship Management, E-Supply Chain Management)

Journal Papers

54. Adela S.M. Lau & V.W.S. Kwok, "How Government Strategies Influence E-commerce Adoption by SME", *International Journal of Electronic Government*, **(impact factor 1.56)**, 2007 **(Cited by 25)**.
55. Adela Lau, "Strategies to Encourage the Adoption of G2C E-government Services in Hong Kong", *International Journal of Electronic Government (impact factor 1.56)*, Vol. 1, No. 3, pp273-292, 2004 **(Cited by 18)**.
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58. Adela Lau & et. al., "Applying multi agent technology to supply chain management", *Journal of Electronic Commerce Research (impact factor 4.32)*, Vol. 1, No. 4, p.119–132, 2000 **(Cited by 20)**.

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62. Adela Lau & P. Li, "A Framework to Encourage SMEs Taking up E-commerce in Hong Kong: Collaboration between Government, Trade Association and Service Providers", International Conference of Electronic Commerce, Vol. 4, 2002.
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RESEARCH PUBLICATIONS (2000-2002, Artificial Intelligence, Data Science, Information Systems, and E-Finance Applications, Chinese University of Hong Kong)

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66. Adela Lau, J. Yen, W.Y. Lee & P. Yuen, "An Integrated Trading Environment: To improving Market Transparency and Efficiency", Review of Pacific Basin Financial Markets and Policies, (impact factor 0.83), Vol. 5., No. 4, p.533 – 550, 2002.
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69. Yuen, L.T., Yue W., A.S.M. Lau, "From unstructured HTML to structured XML: How XML supports financial knowledge management on the Internet", Library Hi Tech (impact factor 2.357) , Vol19(3), p.242-256, 2001 (Cited by 3)

Conference Papers

70. Adela, S.M. Lau, W.Y. Lee & J. Yen, "Cross-Market Monitoring System: A Knowledge Management Approach", International Conference on Supply Chain Management and Information Systems in the Internet Age, 2001.
71. Adela, S.M. Lau, J. Yen & J.X. Yu, "How XML Supports Financial Information Integration", International Conference on Supply Chain Management and Information Systems in the Internet Age, 2001.
72. Adela S.M. Lau, J. Yen & P.Y.K. Chau, "Adoption of On-line Trading of Brokers", International Conference of Electronic Commerce, 2000.
73. J Yen, C Yang, Adela S.M. Lau, A.K.L. Chung, K. Hwang, "Transparency and efficiency in information transmission and financial digital library", The First Asian Financial Digital Library WorkShop, Vol 1, p.195-206, 1998 (Cited by 3).

RESEARCH KEYNOTE SPEECH AND CONFERENCE ORGANISER TRACK RECORDS

KEYNOTE/INVITED SPEECH IN CONFERENCE

- Adela S.M. Lau, “Using Ontology, Distributed AI, and Blockchain Web Services for Ubiquitous Education in Metaverse”, The 7th International Conference on Modern Management based on Big Data, Matsue, Japan, July 7-9, 2026.
- Adela S.M. Lau, “Future Education: Using AI, Web6.0, and Naked Eye 3D Learning in Metaverse”, The 6th International Conference on Modern Management based on Big Data, Hong Kong, July 7-9, 2025.
- Adela S.M. Lau, “Using AI, Data Science, Mixed Reality, IoT, and Metaverse for Metaverse-based Education to Create Collective Intelligence”, 13th International Conference on Innovation, Knowledge, and Management, Italy, June 21-23, 2024.
- Adela S.M. Lau, “Using AI and Web 6.0 for 6G Intelligent Applications - HKUCampusland Metaverse”, the 2024 14th International Conference on Networking and Information Technology, Macau, China. (Mar 8-10, 2024)
- Adela S.M. Lau, “Using AI and Data Science in Metaverse for Virtual Entrepreneurship and ESG Measurement”, the 11st International Conference on Knowledge Discovery, Bangkok, China, Dec 28-30, 2022
- Adela S.M. Lau, “Using AI and Web 6.0 for 6G Intelligent Applications “, the 10th International Conference on Knowledge Discovery, Macau, China, Dec 16-18, 2021. <http://www.ickd.org/speaker.html>
- Adela S.M. Lau, “The Future Development of Big Data Analytics: From Knowledge Management to Wisdom Management”, The 8th International Conference on Knowledge Discovery, Phuket, Thailand (Nov 17-19, 2019)
- Adela S.M. Lau, “New Generation of Social Media Behavioural Analysis: From Semantic Network to Machine Learning”, 2019 International Conference on Machine Learning and Intelligent System, Hualien, Taiwan (Nov 19-22, 2019)
- Adela S.M. Lau, “Next Generation of electronic Patient Record”, International MultiConference of Engineers and Computer Scientists, 2008
- Adela S.M. Lau, “Ontology Engineering for Personalized Knowledge Management”, International MultiConference of Engineers and Computer Scientists, 2007

POSTER PRESENTATION

- Adela S.M. Lau, et al., “Using Big Data Analytics to Develop Donor Persona for Social Media Marketing Strategy”, Madonna University Symposium, USA, Apr 22, 2020
- Adela S.M. Lau, David Rodriguez, Sarra Dhaouadi, "Social Media Marketing via Instagram: A Donor Behavior Analysis Using Machine Learning and Network Analysis", Madonna University Symposium, USA, Apr 17, 2019.

ACADEMIC CONFERENCE ORGANIZER

- **Conference co-organizer** of the 6th International Conference on Modern Management based on Big Data (MMBD2026), Matsue, Japan, July 7-9, 2026.
- Program co-chair of the 4th International Conference on Artificial Intelligence and Blockchain Technology (AIBT2025), Beijing, China, Dec12-15, 2025.
- **Conference co-organizer** of the 6th International Conference on Modern Management based on Big Data (MMBD2025), Hong Kong, July 7-9, 2025.

- Conference track chair of "Applied-education and applied-research in AI, Data Science, and Web6.0", the 6th International Conference on Modern Management based on Big Data, Hong Kong, July 7-9, 2025.
- Program co-chair of 2024 International Conference on Artificial Intelligence and Blockchain Technology (AIBT2024), Beijing, China, Sep 14-16, 2024
- Program co-chair of the 13th International Conference on Innovation, Knowledge, and Management, Rome, Italy, June 21-23, 2024.
- Committee member of the 12nd International Conference on Knowledge Discovery, Mar 8-10, 2024
- Program co-chair of 2023 International Conference on Artificial Intelligence and Blockchain Technology (AIBT2023), April 14 – 16, 2023
- Committee member of the 11th International Conference on Knowledge Discovery, Dec 28-30, 2022
- Program co-chair of 2021 International Conference on Artificial Intelligence and Blockchain Technology (AIBT2021), June 25 – 27, 2021
- Committee member of the 10th International Conference on Knowledge Discovery, Nov 27-29, 2021
- Track Chair of Social Media and Big Data Analytics, Symposium for Research, Scholarship, and Creativity, 12 Apr 2017
- Committee member of Symposium for Research, Scholarship, and Creativity, 12 Apr 2017
- Committee member of Risk Management and Business Intelligence 2011-2016
- Committee member of the Intelligent Workshop on Collaboration and Intelligence in Blended Learning Week, Sep 3-4, 2012
- Co-Chair of the 2009 IAENG International Workshop on Internet Computing and Web Services of International MultiConference of Engineers and Computer Scientists, 14-16, March 2012
- Committee of 3rd Malaysian Joint Conference on Artificial Intelligence, 18-19 July, 2011
- Co-Chair of the 2009 IAENG International Workshop on Internet Computing and Web Services of International MultiConference of Engineers and Computer Scientists, 16-18 March, 2011
- Program Co-Chair of the 40th Annual Meeting of Decision Science Institute in Knowledge Management Track, Nov 14 – 17, 2009
- Program Co-chair of the 2009 International conference on Information and Knowledge Engineering of the WORLDCOMP'09 Congress conferences in computer science, computer engineering, and applied computing, July 14 – 17, 2009
- Co-Chair of the 2009 IAENG International Workshop on Internet Computing and Web Services of International MultiConference of Engineers and Computer Scientists, 18-20 March, 2009
- Program Committee of International Conference on Information Technology and Management, August, 2009
- Co-chair of the 2008 International conference on Information and Knowledge Engineering of the WORLDCOMP'08 Congress conferences in computer science, computer engineering, and applied computing, July 14 – 17, 2008
- Co-chair of IAENG International Conference on Internet Computing and Web Services of International MultiConference of Engineers and Computer Scientists, March 19-21, 2008
- Session Chair of the 38th Annual Meeting Decision Sciences Institute, Nov 17 – 20, 2007
- Industrial Track Chair of International Conference of Management Information Technology 2007
- Co-Chair (The 2007 IAENG International Workshop on Internet Computing and Web Services) of International MultiConference of Engineers and Computer Scientists, 2007
- Program Committee of Management International Conference, 2006 - 2007
- Reviewer and Programming Committee of International Association for Computer Information Systems Pacific Conference, 2005

INDUSTRIAL INVITED SPEECH, EXHIBITION, CONFERENCE ORGANISER, AND PRESS INTERVIEW TRACK RECORDS

INDUSTRIAL COMMERCE EXHIBITION

- “Powering SME Growth Through ESG Tech Innovation” and “Top 100 SME Leaders in ESG”, AI+Power Exhibition in Hong Kong Exhibition Center, BUSINESS GOVirtual Expo & Conference, Jun 5-6, 2025.
- “Rev Up! – Race on the New Economic Track & Top 100 SME Leaders in ESG Project”, Exhibition in Hong Kong Exhibition Center, BUSINESS GOVirtual Expo & Conference, July 11-12, 2024.

INDUSTRIAL CONFERENCE ORGANISER

- “The Trend of AI-Powered Family Office Management”, International Family Office Summit Forum, Nov 29 2025.
- “Top 100 ESG Leaders”, HK SME Leader Discussion Forum, Sep 20, 2024
- “Going-global Strategy and Bringing-in Strategy”, Great Bay Area Hong Kong and Macau Talents Development Discussion Forum, May 6, 2024.

INVITED SPEECH IN INDUSTRIAL AND PROFESSIONAL SEMINAR

- Adela S.M. Lau, “AI-powered for Family Office Management and Financial Investment”, 3rd International Family Office Summit Forum, Nov 29 2025.
- Adela S.M. Lau, “Using AI and Data Science for ESG Risk Management and Investment Opportunity”, International Family Office Summit Forum, 12 Nov, 2024.
- Adela S.M. Lau, “Using AI, Data Science and ESG for Creating Business Opportunity”, HK SME Leaders Discussion Forum, Sep 20, 2024.
- Adela S.M. Lau, “Value of ESG to SME: Expand, Sales, Growth”, BUSINESS GOVirtual Expo & Conference, July 12, 2024.
- Adela S.M. Lau, “Using AI and Data Science methods for ESG to improve SMEs competitiveness”, GBA Innovation Development Conference, Jan 17, 2024.
- Adela S.M., Lau, “Using AI and Data Science Methods for Wisdom Management for Law Training in Metaverse”, GBA Innovation Development Conference, Nov 23 2023.
- Adela S.M., Lau, “Using AI, Metaverse, and IoTs to improve the Digital Economy”, Business GOVirtual Technology exhibition and Conference, July 13, 2023.
- Adela S.M. Lau, “Metaverse in Education, Into the Web3.0 Future, MAGESPIRE, Hong Kong, organized by InvestHK meup.hk, Jan 13, 2023.
- Adela S.M. Lau, “Applications and Challenges of Metaverse”, Tanner Hill Workshop, May 14, 2022
- Adela S.M. Lau, “How AI can be used in Smart City, Finance, Business, Healthcare, Social Science, Education, and IoT” AI in Robotics Vision and Automation Technology Challenges Competition, Mar 12, 2021
- Adela S.M. Lau, “Key challenges and possibilities of AI in HK, China, Taiwan, and UK”, Artificial Intelligence Global Governance Group (AI-GGG), the Centre for Computing and Social Responsibility of De Montfort University, Mar 16, 2021.
- Adela S.M. Lau, “Using AI in robotics for STEM Education”, Hong Kong Secondary School, Mar 31, 2021.
- Adela S.M. Lau, “Using Web 5.0 for Tri-modal Learning to Improve Learner’s Wisdom Management: A ShowCase of Madonna University MBA Capstone Project.” MiBUG Spring Conference, USA, Apr 16, 2020 (Professional presentation for Blackboard Limited)
- Adela S.M. Lau, “A Case Study in Tri-model Learning: Using Knowledge Management and Blackboard to Accelerate Students’ Learning Experience.” MiBUG Spring Conference, May 10, 2019 (Professional presentation for Blackboard Limited)

- Adela S.M. Lau, “Current technology and future development in Big Data Analytic on ERM” Enterprise Risk Conference in HK and SG, May 2015
- Adela S.M. Lau, “Enhancing Business Value with Well-Defined Risk Appetite & Risk-Intelligent Culture”, Enterprise Risk Conference in HK and SG, May 2015

PRESS IN MEDIA

- Over 20 international media reported, “Marvion unveiling HKU CampusLand - a joint metaverse initiative with Marvel Digital AI and the University of Hong Kong”, 2022-2023
- The Standard, “Integrating AI, Data Science, IoT and Metaverse for Integrated STEAM Education and Meta-Commerce”, HKU, Dec 5, 2023, <https://www.thestandard.com.hk/section-news/fc/4/258446/Integrating-AI-Data-Science-IoT-and-Metaverse--for-Integrated-STEAM-Education-and-Meta-Commerce>
- HK STEAM News, “We Innovate Together in Metaverse】創建元宇宙校園 延伸Meta-Commerce概念 (上)”, HKU, 6th Nov, 2023, <https://www.hkstemnews.com/#/newMessage?id=165>
- HK STEAM News, “We Innovate Together in Metaverse】創建元宇宙校園 延伸Meta-Commerce概念 (下)”, HKU, 6th Nov, 2023, <https://www.hkstemnews.com/#/newMessage?id=166>
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- Yahoo finance, Mar 22, 2023. Marvion's HKU Campusland scores well with undergraduates and is expected to extend its meta-campus to primary and secondary school students later this year, HKU, <https://finance.yahoo.com/news/marvions-hku-campusland-scores-well-130300015.html>
- Faculty of Science, “Metaverse in Education”, HKU, 1st Dec, 2022. <https://www.youtube.com/watch?v=DQUn8MBgnQY>
- MingPao “港大團隊研辨表情AI 偵虐兒偵拔喉偵面試表現”, HKU, 6th Nov, 2022, <https://news.mingpao.com/pns/%E6%B8%AF%E8%81%9E/article/20221106/s00002/1667669999311/%E6%B8%AF%E5%A4%A7%E5%8F%A6%E4%B8%80%E5%9C%98%E9%9A%8A%E7%A0%94%E8%BE%A8%E8%A1%A8%E6%83%85ai-%E5%81%B5%E8%99%90%E5%85%92%E5%81%B5%E6%8B%94%E5%96%89%E5%81%B5%E9%9D%A2%E8%A9%A6%E8%A1%A8%E7%8F%BE>
- 商業電台雷霆881 與時並進, “港大首設全港第一個AI元宇宙校園, 打破網上教學界限回應STEAM人才培育!”, HKU, November 5, 2022, <https://www.881903.com/program/655/%E8%88%87%E6%99%82%E4%B8%A6%E9%80%B2>
- 信報財經新聞hkej.com, “港大元宇宙校園開放試用創先河”, HKU, 20th Oct, 2022, <https://startupbeat.hkej.com/?p=125883>
- HKIT News, “Risk Insights Challenge Competition, “*BI solution on Enterprise Risk, Digital Risk, Credit Risk, and Estimation Risk*”, HKUST, Jan 12, 2015, <http://latest.hkitnews.com/blog/?p=27098>
- PCMarket, “Financial risk management education system and enterprise operational risk management”, HKUST, Sep 20 & Oct 4, 2011.
- PCMarket, “Application of BI tools in enterprise”, HKUST, Jan 18, 2011.
- IT for Youth, “IT subjects and the teaching and learning philosophy”, PolyU, Oct, 2006.
- Jiu Jik and PC Market magazines about the teaching methodology for customer relationship management course and issues in customer relationship management”, PolyU, Feb 15, 2005 and Apr 6, 2005 respectively.

INDUSTRIAL CONSULTANCY, RESEARCH FUNDINGS, AND DONATION TRACK RECORDS

INDUSTRIAL APPLIED RESEARCH AND CONSULTANCY FUNDS

Dates	Research/Industrial Funding Description
May 2025 – Dec 2025 (PI)	<p>Industrial Funded Donation Project</p> <p>Project Title: Naked-Eye 2D-to-3D and EEG in Metaverse</p> <p>A Pilot Study for Innovative Research:</p> <ul style="list-style-type: none"> Naked-Eye 2D-to-3D and EEG for emotion detection in Metaverse in 2026
May 2025 – Dec 2025 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using AI Chatbot for Virtual Entrepreneurship Education</p> <p>Software Apps for Pilot Study:</p> <ul style="list-style-type: none"> Virtual Entrepreneurship Chatbot
Apr 2025 – Jun 2026 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using AI for Scenario-based Content Creator.</p> <p>Software Apps for Company Use:</p> <ul style="list-style-type: none"> AI-based Scenario Content Creator
July 2024-Jun 2025 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using AI Chatbot for Technology Innovation Leadership Training in Meta-Innovation Commerce Center at HKU Campusland</p> <p>Research Output:</p> <ul style="list-style-type: none"> Adela S.M. Lau, et. al., “A Novel DTPB-EM Model for Evaluating GUI and Non-GUI Chatbots for Self-Directed Learning”, Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
Jan 2024 – Dec 2024 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Development of ESG Framework for SME at HKU Campusland</p> <p>HKU Startup and Spin off Company</p> <ul style="list-style-type: none"> ESG Innovations Limited <p>Commercialized Instrument:</p> <ul style="list-style-type: none"> ESG assessment model and instrument <p>Research Output:</p> <ul style="list-style-type: none"> Adela S.M. Lau, et. al., “Development of a Novel Integrated Ontology-Based ESG Assessment Tool with AI Assistance for SMEs”, Frontier in Artificial Intelligence and Applications (with impact factor of impact factor 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025.
Oct 2023 – Mar 2024 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using AI Chatbot for Pharmacy Education in Meta-Innovation Commercial Center at HKU Campusland</p> <p>HKU Startup and Spin off Company</p> <ul style="list-style-type: none"> Dr Adela Education Limited <p>Commercialized Product:</p> <ul style="list-style-type: none"> AI Doctor chatbot apps for education, 2025 <p>Research Output:</p> <ul style="list-style-type: none"> Adela SM Lau, et al., “Applications of Generative AI: A Case Study of AI Doctor”, Southeast Decision Sciences Institute (SEDSI) 2025 Annual Conference.
Sep 2023 – Jun 2024 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of AI-based Talent Assessment System</p>
Aug 2023 – Dec 2025 (Co-PI)	<p>Applied Research Grant</p> <p>Project Title: Artificial Intelligence Tennis Movement, Ball, Posture, and Game Strategy Analysis</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> Real Time Game Strategy Analyzer System
Jun 2023 – Sep 2023 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using Mixed Reality in Metaverse for SEN Education</p> <p>Software Application for Company Use:</p> <ul style="list-style-type: none"> A school metaverse Apps Virtual Internship Chatbot Apps Mixed reality Music Performance Apps (Game) Mixed reality Pottery Marker Apps (Game) Baseball game mixed reality Apps (Game)

Feb 2023 – Mar 2023 (PI)	<p>Industrial Funded Project</p> <p>Project Title: Arts Technology Workshop for Hong Kong Palace Museum Student Ambassador Programme</p> <p>Software Application, e-training Materials, and Workshop for Company Use:</p> <ul style="list-style-type: none"> • A school metaverse Apps (Game) • Metaverse teaching materials • A company training workshop for HKPM staffs
Aug 2022 – May 2023 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using AI Methods to Implement a Chatbox, Emotion Analyzer, and Augmented/Mixed Reality Learning</p> <p>HKU Startup and Spin off Company</p> <ul style="list-style-type: none"> • Thinkify Technology Limited <p>Commercialized Software Product:</p> <ul style="list-style-type: none"> • Facial and audio emotion detection apps, 2025 • Metaverse schools application, 2025 <p>Research Output:</p> <ul style="list-style-type: none"> • Adela S.M. Lau, et. al., “Using Artificial Intelligence, Ontology and 3D Visualization in the Metaverse for Improving Collaborative Work and Collective Intelligence”, Special issue on: The Metaverse as an opportunity for entrepreneurship and innovation, International Journal of Entrepreneurship and Innovation (with impact factor of 0.618 (SJR) in Management of Technology and Innovation area, 2.9 (JIF) and 0.41(JCI) in Business area, H-index 34, and ranked number 116 in Information Systems and Management area), 2025. • Adela S.M. Lau, et. al., “A Novel Method of Emotion Classification and Reconstruction Using VGGNet and StarGAN for Mixed-Reality Interactions in HKU Campusland Metaverse”, Frontier in Artificial Intelligence and Applications (with impact factor of 0.252, H-index 66, and ranked top 4th in Artificial Intelligence area), 2025. • Adela SM Lau, et. al., “Using a Mixed Reality, IoT, and Metaverse for Integrated STEAM Education to Improve Collective Intelligence”, Southeast Decision Sciences Institute (SEDSI) 2025 Annual Conference.
May 2022 – Jul 2022 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A Pilot Study of Using AI for Social Media Analysis</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> • A Social Media Crawling and Social Media Analysis System
June 2021 – Aug 2021 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A feasibility study in Developing an antique classification application</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> • A software program for antique classification
Mar 2021 – May 2021 (PI)	<p>Industrial Funded Project</p> <p>Project Title: A feasibility study in Developing an antique identification application</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> • A software program for antique identification
Oct 2018 – Sep 2019 (PI)	<p>Industrial Funded Project</p> <p>Project Title: Social Media Marketing Strategies for Charity Donation</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> • An Instagram Apps for Donation Promotion to Fish and Loaves
Oct 2018 (PI)	<p>E-learning Development Grant</p> <p>Project Title: Orbit E-learning content implementation for Online Health Informatics Courses.</p> <p>E-learning Product for Company Use and Existing University’s online courses:</p> <ul style="list-style-type: none"> • An online teaching course materials and module
June 2016 (PI)	<p>Big Data Analytics in Insurance (AIA Group Ltd)</p> <p>Project Title: Intelligent OCR for patient claim big data analytics</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> • An OCR-to-text and intelligent medical knowledge discover system
Jan 2010 (Co-PI)	<p>Industrial Funded Project (HK Securities and Futures Commission)</p> <p>Project Title: Provision for Consultancy Services on Document Management & Taxonomy Design for Securities and Futures Commission (SFC)</p> <p>Software System and Cultural Change Workshop for Company Use:</p> <ul style="list-style-type: none"> • An ontology system for document indexing and searching • A knowledge management portal design • A change management workshop
Jan 2010 (PI)	<p>Industrial Funded Project (Quality Health Limited)</p> <p>Project Title: Nursing Practice Quality Assurance and Evaluation for Quality Health Clinics</p>

	<p>Instrument Design and Assessment for Company Use:</p> <ul style="list-style-type: none"> • A Nursing Procedures Assessment Protocol and Checklist and • An on-site clinical assessment and report summary
July 2009 (PI)	<p>Industrial Funded Project (Cathay Pacific Airways Limited) Project Title: Solution Architecture Design and Development for Cathay Pacific Airways Limited's Portal System Architecture Design and Professional Training Workshop for Company Use:</p> <ul style="list-style-type: none"> • A solution architecture design for document indexing and searching, and a knowledge management portal design • A company training workshop for IT department
Apr 2008 (PI)	<p>Industrial Funded Project (IBM) Project Title: Training Session of Market Research and Data Mining for SPSS Software Limited E-learning Product and Training Workshop for Company Use:</p> <ul style="list-style-type: none"> • E-learning materials on data mining for healthcare • A company training workshop for medical experts in Hospital Authority
May 2007 (PI)	<p>Industrial Funded Project (TopForm Limited) Project Title: Critical Processes Identification for Knowledge-enabled Enterprise Resources Planning System System Architecture Design and Business Process Re-engineering for Company Use:</p> <ul style="list-style-type: none"> • A business and system process reengineering for company • An UMLS workflow re-design documentation
Feb 2007 (PI)	<p>Industrial Funded Project (HKSAR Environmental Protection Department) Project Title: Provision for Consultancy Services on Knowledge Management Study for Environmental Protection Department Software System and Cultural Change Workshop for Company Use:</p> <ul style="list-style-type: none"> • An ontology system for document indexing and searching • A knowledge management portal design • A change management workshop
Feb 2007 (PI)	<p>Industrial Funded Project (TopForm Limited) Project Title: Past, Present and Future Enterprise Resources Planning for Garment Industry (Three-hour Training) Training Workshop for Company Use:</p> <ul style="list-style-type: none"> • A company training workshop on ERP
Feb 2006 (PI)	<p>Industrial Funded Project (Leo Paper Group) Project Title: Provision for Consultancy Services for Strategic Planning, Knowledge Audit and Knowledge Management Strategies to the Leo Paper Software System and Cultural Change Workshop for Company Use:</p> <ul style="list-style-type: none"> • An ontology system for document indexing and searching • A knowledge management portal design • A change management workshop
Feb 2006 (PI)	<p>Industrial Funded Project (Microsoft) Project Title: Customer Survey of Market Penetration Rate, its Adoption, and Customer Expectation of the Enterprise Software Products Instrument Design and Market Survey for Company Use:</p> <ul style="list-style-type: none"> • A human behavioral model design and questionnaire design for survey • A market survey and report summary
Feb 2006 (Co-PI)	<p>Industrial Funded Project (HKSAR Housing Authority) Project Title: Knowledge Management Culture Survey and Strategies for Housing Authority Software System and Cultural Change Workshop for Company Use:</p> <ul style="list-style-type: none"> • An ontology system for document indexing and searching • A knowledge management portal design • A change management workshop
Nov 2005 (Co-PI)	<p>Industrial Funded Project (HKSAR Census and Statistical Department) Project Title: Knowledge Management Portal Requirement Study for Census and Statistical Department Software System and Cultural Change Workshop for Company Use:</p> <ul style="list-style-type: none"> • An ontology system for document indexing and searching • A knowledge management portal design • A change management workshop
Aug 2005 (PI)	<p>Industrial Funded Project (Microsoft) Project Title: A Conceptual Framework for Knowledge-enabled Customer Relationship Management: A Case Study in Microsoft Products Instrument Design and Market Survey for Company Use:</p> <ul style="list-style-type: none"> • A market survey and case study report summary
Aug 2005	<p>Industrial Funded Project (Hospital Authority)</p>

(Co-I)	<p>Project Title: Implementation of an Injury Surveillance System for a Safe Community Set-up</p> <p>Software System for Company Use:</p> <ul style="list-style-type: none"> • A surveillance software for 19 HA cluster use.
Apr 2004 (PI)	<p><i>Industrial Funded Project (Microsoft)</i></p> <p>Project Title: Adoption Studies of Small Business Server 2003: On-site Usage Survey and Advisory service for Small Business Server 2003 customers</p> <p>Instrument Design and Market Survey for Company Use:</p> <ul style="list-style-type: none"> • A human behavioral model design and questionnaire design for survey • A market survey and report summary

ACADEMIC RESEARCH GRANTS

Dates	Research/Industrial Funding Description
Aug 2025 – July 2027 (Co-PI)	<p>Research Impact Fund (UGC, HKU) Project Title: Artificial intelligence assisted services for youth who use tobacco or alcohol</p> <p>Project Output:</p> <ul style="list-style-type: none"> • A Tobacco and alcohol chatbot
Aug 2023 – Dec 2025 (Co-PI)	<p>Applied Research Grant (Hong Kong Sports Institution -Olympics Game) Project Title: Artificial Intelligence Tennis Movement, Ball, Posture, and Game Strategy Analysis</p> <p>Project Output:</p> <ul style="list-style-type: none"> • A Real Time Game Strategy Analyzer System
July 2010 (PI)	<p>International Foundation Research Grant Award Project (NADAD)</p> <ul style="list-style-type: none"> • Evaluation of Nursing Ontology <p>Project Output</p> <ul style="list-style-type: none"> • A nursing ontology for Web 2.0 E-nursing Platform <p>Research Publication</p> <ol style="list-style-type: none"> 1. Adela Lau, “Hospital-Based Nurses’ Perceptions of the Adoption of Web 2.0 Tools for Knowledge Sharing, Learning, Social Interaction and the Production of Collective Intelligence”, Journal of Medical Internet Research (impact factor 7.08), Vol 13, No 4, e92, p.1-12,2011
Oct 2009 (PI)	<p>Internal Competitive Research Funds (RGC, PolyU): Project Title: Using an Ontology-based Bayesian Network to Map, Compare and Unify the Taxonomy Rules for Improving the Effectiveness of Ontology Unification via Wiki Platform: In the Context of Chinese Medicine Ontology Building</p> <p>Research Output</p> <ol style="list-style-type: none"> 1. A wiki tool for ontology building <p>Research Publication</p> <ol style="list-style-type: none"> 1. Adela Lau, “Implementation of an onto-wiki toolkit using web services to improve the efficiency and effectiveness of medical ontology co-authoring and analysis “Informatics for Health and Social Care (impact factor 3.082) – (Former journal name: Medical Informatics and the Internet in Medicine), Vol. 34, No. 1, p.73 - 80, 2009 2. Adela Lau and S. Tse, “Development of the Ontology Using a Problem-Driven Approach: In the Context of Traditional Chinese medicine Diagnosis”, International Journal of Knowledge Engineering and Data Mining (impact factor 0.2), Vol 1, p.37 – 49, 2010
June 2008 (PI)	<p>Collaborative Research Funded Project (RGC, PolyU) Project Title: Develop an instrument to assess a school health program from the perspectives of school environment, top management and parental support, and students’ lifestyle</p> <p>Research Output</p> <ol style="list-style-type: none"> 1. A design and implementation of school health program 2. An instrument design and implementation for assessing health performance 3. A report of school assessment summary
July 2007 (Co-PI)	<p>Internal Competitive Research Funds (RGC, PolyU) Project Title: Development of a Hybrid Knowledge Navigation System Utilizing Top-down and Bottom-up Tagging Mechanisms</p> <p>Research Output</p> <p>A taxonomy tool for auto-classification and indexing</p> <p>Research Publication</p> <ol style="list-style-type: none"> 1. Tsui, E., Wang, W.M., Cheung, C.F., and Lau, A.*, “A Concept-Relationship Acquisition and Inference Approach for Hierarchical Taxonomy Construction from Tags”, Information Processing & Management (impact factor 6.222), Vol. 46, Issue 1, p.44-57, 2010.
July 2006 (PI)	<p>Departmental General Research Funds (RGC, PolyU) Project Title: Knowledge Capture and Representation of a Case Using Clustered Ontology-based for Enterprise Management</p> <p>Research output</p> <ol style="list-style-type: none"> 1. A system with functions for defining ontology structure and generating OWL files for knowledge representation.

2. A system with functions of query text extraction and similar case retrieval.
3. A program for ontology-based similarity measurement.

Publication

1. Lau, A.*, Tsui, E. and Lee, W.B., "An Ontology-based Similarity Measurement for Problem-based Case Reasoning", Expert systems and Application (*impact factor 3.768*), Vol. 43, Issue 3, Part II, p.6547-6579.
2. Lau, A.*, Tsui, E., Lee, W.B. and Lam, C.K., "Clustered Ontology-based Knowledge Representation of Cases", The 3rd Asia-Pacific International Conference on Knowledge Management, (2006).

ACADEMIC TEACHING FUNDINGS

Dates	Research/Industrial Funding Description
July 2011 (PI)	<p>CELT Teaching Development Project (Teaching Fund, HKUST) Project Title: Using scenario analysis, reflective and social communication approaches for teaching debating skills to improve students' critical thinking</p> <p>Project Output • Applied learning teaching materials and software for training critical thinking</p>
June 2007 (Co-PI)	<p>eDLSS Funded Project (Teaching Fund, PolyU) Project Title: Enhancing personal knowledge management and peer-to-peer interactions on the WebCT Vista environment</p> <p>Project Output A software of scenario-based learning for personalized knowledge management</p> <p>Research Publication</p> <ol style="list-style-type: none"> Lau, A.* and Tsui, E., "Knowledge Management Perspective on E-learning Effectiveness", Knowledge-based Systems (<i>impact factor 8.032</i>), Vol 22, p. 324-5, 2009. Lau, A.* & Tsui, E., "Application of Web2.0 Technology for Clinical Training, Emerging Topics and Technologies in Information Systems", IGI Global Publication, (2009). Liew, T.; Tsui, E.*; Fong, P. and Lau, A., "Learning Knowledge Management concepts via the use of a Scenario Building Tool on an E-Learning platform", accepted for presentation at the International Conference on Hybrid Learning, 25-27th August, 2009, Macau, to appear in Lecture Notes in Computer Science, Springer-Verlag.
Apr 2005 (PI)	<p>Departmental Teaching Fund (Teaching Fund, PolyU) Project Title: E-learning System Modules for Customer Relationship Management</p> <p>Project Output Online teaching materials of customer relationship management course</p>

DONATIONS FOR SOFTWARE PRODUCT AND COMEPTITON

May 2025 -	Donation
Apr 2026 (PI)	AI Poem Competition and AI Innovation Competition in 2025 Challenges and Competition Donation
Sep 2022 -	Donation
Aug 2023 (PI)	AI in Metaverse Challenges and Competition Donation
Sep 2022 -	Donation
Aug 2023 (PI)	HKUCampusland
Sep 2021 -	Donation
Aug 2022 (PI)	AI in Robotic and Automation Challenges and Competition Donation
Jan 2009 (PI) -	Software Donation from SPSS HK Limited
	Donation of worth \$10,000,000 SPSS Clementine Data, Text & Web Mining software licenses for Health Informatics & intelligence Research Use
Nov 2006 (PI)	Software Donation from Microsoft Limited
	Donated Microsoft Customer Relationship Management software license
Nov 2004 (PI)	Software and Scholarship Donation from Microsoft Limited
	Donated Microsoft CRM software licenses, scholarships and Microsoft CRM training manual
Nov 2004 (PI)	Software Donation from Microsoft Limited
	Donated Microsoft Small Business Server 2003 software license

COMMUNITY SERVICE-LEARNING TRACK RECORDS

COMMUNITY SERVICE LEARNING FOR APPLIED RESEARCH

Community Service Learning Projects:

2018-2019, ExporTech Detroit, MU	<p>Project Title: Big Data Analytics for International Market Expansion: A Consultancy Services</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> An Ontology Classification Tool for HS Code Classification <p><u>Community Use (2018 – 2019):</u></p> <ul style="list-style-type: none"> SMEs of the ExporTech Detroit Program <p><u>Research Publication:</u></p> <ul style="list-style-type: none"> Adela SM Lau & Nidhal Bouazizi, "Big Data Analytics for International Market Expansion: Case Studies in ExporTech", International Journal of Knowledge Engineering, Vol. 5, No. 2, 2019. Adela SM Lau & Nidhal Bouazizi, " Using Big Data Analytics for Market Opportunities: A Case Study of Market Expansion Research", International Conference of Knowledge Discovery, 2019.
2017-2018, AIA Group (Digital Health Innovation), MU	<p>Project Title: Consumers' Health Care Services Analysis Using Social Media Analytics</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> A Software for Social Media Data Analysis <p><u>Research Publication:</u></p> <ul style="list-style-type: none"> Adela S.M. Lau, Kristine Baker, Katherine Kempf, Katie Grzyb, Sijuade Oke, Eric Tsui, Liege Cheung, Marie-Claire Slama, and Min Su. "AI and Social Media Analytics for Health Systems: Understanding Consumers' Preferences in Healthcare", Adaptive Health Management Information Systems: Concepts, Cases, & Practical Applications, Chapter 13, Jones & Bartlett Publisher, September 17, 2019.
2007-2010, Hong Kong Jockey Club, PolyU	<p>Project Title: Mobile Integrated Clinical System</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> A clinical system to measure and analyzing health condition of the elderly (e.g. heartbeat, blood pressure, BMI, daily diet and exercise behavior), and benchmarking its health performance index <p><u>Community Use (2009 – present):</u></p> <ul style="list-style-type: none"> A mobile truck with the clinic system was used by the elderly of the 19 clusters of HK community.
2007-2010, Hong Kong Jockey Club, PolyU	<p>Project Title: Integrated Clinical System for SPORTS Injury</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> A clinical system to measure and analyzing injury condition of the athletics <p><u>Community Use (2010 – present):</u></p> <p>A SPORTS Injury system for Sports association.</p>
2007-2010, Hong Kong Jockey Club, PolyU	<p>Project Title: Data mining: knowledge discovery in our experience with SARS patients</p> <p><u>Project Output (Confidential):</u></p> <ul style="list-style-type: none"> A report of the SARS death causes and drug intake relationships <p><u>Community Use (2010 – present):</u></p> <p>A triage classification system for SARS was used by emergency unit of the HA hospitals in the Hong Kong 9 clusters.</p>
2004-2025, HKSAR, PolyU	<p>Project Title: Study the conducive environment in different countries: telecommunication infrastructure, promotion, manpower, services and legal issues</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> A report of E-government strategy for E-commerce infrastructure. <p><u>Research Publication:</u></p> <ul style="list-style-type: none"> Adela S.M. Lau & V.W.S. Kwok, "How Government Strategies Influence E-commerce Adoption by SME", International Journal of Electronic Government, (impact factor 1.56), 2007 (Cited by 25).
2000-2001 Hong Kong Stock Exchange (SEHK) and Securities and	<p>Project Title: Financial Digital Library, Hong Kong EDGAR Project (ELFFS)</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> A prototype of Cross-marking monitoring system for SFC A report of adoption of e-trading system for SEHK <p><u>Research Publication (SFC project):</u></p>

Futures Commission (SFC), CUHK	<ul style="list-style-type: none"> • Adela Lau, J. Yen, W.Y. Lee & P. Yuen, “An Integrated Trading Environment: To improving Market Transparency and Efficiency”, Review of Pacific Basin Financial Markets and Policies, (impact factor 0.83), Vol. 5., No. 4, p.533 – 550, 2002. • Yuen, L.T., Yue W., A.S.M. Lau, "From unstructured HTML to structured XML: How XML supports financial knowledge management on the Internet", Library Hi Tech (impact factor 2.357) , Vol19(3), p.242-256, 2001 (<i>Cited by 3</i>) • Adela, S.M. Lau, W.Y. Lee & J. Yen, “Cross-Market Monitoring System: A Knowledge Management Approach”, International Conference on Supply Chan Management and Information Systems in the Internet Age, 2001. • Adela, S.M. Lau, J. Yen & J.X. Yu, “How XML Supports Financial Information Integration”, International Conference on Supply Chan Management and Information Systems in the Internet Age, 2001. <p><u>Research Publication (SEHK project):</u></p> <ul style="list-style-type: none"> • Adela Lau, J. Yen & P.Y.K. Chau, “Strategies to Motivate Brokers Adopting online Trading in Hong Kong Financial Market”, Review of Pacific Basin Financial Markets and Policies, (impact factor 0.83), Vol. 5, No. 4, p.471 – 490, 2002(<i>Cited by 48</i>). • Adela Lau, J. Yen & P.Y.K. Chau, "Adoption of On-line Trading in Hong Kong Financial Market", Journal of Electronic Commerce Research (impact factor 4.32), Vol 2., p.58-65, Vol. 2, Number 2, 2001 (<i>Cited by 59</i>). • Adela S.M. Lau, J. Yen & P.Y.K. Chau, "Adoption of On-line Trading of Brokers", International Conference of Electronic Commerce, 2000.
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Research Assistant Projects:

1997-1999, Department of Electronic and Electrical Engineering, HKU	<p>Project Title: Financial Digital Library in Cluster Environment – Design a multi-agent based Financial Analysis System in cluster environment</p> <p><u>Project Output:</u></p> <ul style="list-style-type: none"> • Financial Digital Library in Cluster Environment – Design a multi-agent based Financial Analysis System in cluster environment. <p><u>Research Publication:</u></p> <ul style="list-style-type: none"> • J Yen, C Yang, Adela S.M. Lau, A.K.L. Chung, K. Hwang, “Transparency and efficiency in information transmission and financial digital library”, The First Asian Financial Digital Library WorkShop, Vol 1, p.195-206, 1998 (<i>Cited by 3</i>).
1997-1999, Faculty of Education, HKU	<p>Project Title: Business Process Re-engineering for Department of Curriculum Studies – Feasibility Studies on engineering the administration work processes in Department of Curriculum Studies using Lotus Note.</p> <p><u>Project Output (Confidential):</u></p> <ul style="list-style-type: none"> • A report of the job bottleneck identification and the re-engineered business processes of the program admission, program management, and staff administration and management in the General Office of faculty of Education of HKU.
1997-1999, Department of Curriculum, HKU	<p>Project Title: Design and Implement a Software for Primary School (Chinese Dictionary)</p> <p><u>Project Output (Confidential):</u></p> <ul style="list-style-type: none"> • A software for learning Chinese words and poems meanings for primary school students <p><u>Community Use (1999 – present):</u></p> <ul style="list-style-type: none"> • A Chinese Dictionary System used by Hong Kong Secondary Schools.
1997-1998, Department of Electronic Engineering, CityU	<ul style="list-style-type: none"> • Computer Vision in depth recognition (<i>Department of Electronic Engineering, CityU</i>) <p><u>Project Output:</u></p> <ul style="list-style-type: none"> • A software program for depth recognition with two images

COMMUNITY SERVICE-LEARNING PROJECTS FOR APPLIED EDUCATION

<p>2020-2025, HKU</p>	<ul style="list-style-type: none"> • AI Chatbots in Healthcare, Finance, Business and ESG (<i>HKU SAAS Data Science Lab</i>) • Invoice Information Extraction and Further Text Analysis (<i>PwC</i>) • Use IoT sensor data to predict the disorder of factory equipment and alert in advance (<i>PwC</i>) • Intelligent Inventory and Stock Take (<i>PwC</i>) • Online Interview (<i>NSC</i>) • Smart Retail, Healthcare – COVID19(<i>NSC</i>) • Online Education (<i>NSC</i>) • Financial Big Using Statistics and AI for Business Analysis for Banking and Insurance (<i>NSC</i>) • ESG Analytics with Financial Investment/Risk Compliance (<i>NSC</i>) • Using AI and FinTech analytics to discover grains commodity hedge fund opportunities (ImpactInvest Limited) • Data Analytics: Using Keyword Tags, AI and Event-based Approach to Build Financial News Ontology, Analyse Market Sentiment and Predict Price Trend (<i>Visual Real Capital</i>) • Financial Big Data Analytics: Using Video and Multimodal for Sentiment Analysis of Financial Data with Interactive Data Solution (<i>Visual Real Capital</i>) • Financial Big Data Analytics: Using a Novel Approach of parallel/distributed deep learning model for Stock Price Prediction (<i>Visual Real Capital</i>) • Financial Big Data Analytics: Using a 3DCNN model with Candlesticks Pattern and Social Media Data for Stock Price Prediction (<i>Visual Real Capital</i>) • Business Opportunities: AI Healthcare Products and Services Investment (<i>Vision Real Capital</i>) • Using facial expression and social media/dialog/voice data for Early Detection of Dementia (<i>Vision Real Capital</i>) • Using AI on social media analytics to implement a fear index for COVID spreading prediction (<i>Hong Kong Society of Medical Informatics</i>) • Using social media to determine the general barriers and concerns of using AI in medicine (<i>Hong Kong Society of Medical Informatics</i>) • A Comprehensive Analysis on Government COVID-19 Policy's Effectiveness with Public's Sentiment (<i>Hospital Authority</i>) • Use of Artificial Intelligence to Improve Patient Safety in Hospital Setting (<i>Hospital Authority</i>) • Using AI for facial expression and body gesture to discover mental health risks (<i>Trinity Health, USA</i>) • Using AI for social media analytics to discover mental health risks (<i>Trinity Health, USA</i>) • Using AI to determine the donors' behaviours in social media for marketing planning (<i>Fish and Loaves Food Community Pantry, USA</i>) • Using AI for eGaming analytics to discover community interactions and interests (<i>QLX.com, USA</i>) • Expert network analysis using LinkedIn (<i>Coeus Creative Group, USA</i>) • Using AI for job advertisement analytics to discover behavioral intelligence spectrum (<i>Coeus Creative Group, USA</i>) • A Market Research of E-business Online Learning by using Big Data Analytics and Knowledge Management Approach (<i>Coeus Creative Group, USA</i>) • Facial expression/body gesture for AI in behavioral intelligence (<i>Coeus Creative Group, USA</i>)
<p>2018– 2020, Madonna University, USA</p>	<ul style="list-style-type: none"> • Using Social Media Analytics to Understand Instagram Followers' Behaviors for Donation Marketing (<i>Fish and Loaves Community Pantry Ltd</i>) • Big Data Analytics for International Market Expansion (<i>ExporTech Detroit</i>) • A Market Research of E-business Online Learning by using Big Data Analytics and Knowledge Management Approach (<i>Coeus Creative Group</i>) • A Market Expansion Analysis Using Clustered-Based Optimization Model on Import and Export Data and Social Media (<i>PwC</i>) • Using Web 5.0 and Artificial Intelligence for Virtual WorkSpace and Business Globalization (<i>PwC</i>) • Optimizing a Public Equities Portfolio via Return and ESG Risk (<i>Regent Investment, University of California</i>) • Market Insights Analytics for HealthTech Business Expansion in US, Europe, UK, Germany, Swiss and Asia. (<i>Vision Real Capital</i>) • Using Big Data Analytics for HealthTech Global Supply Chain Analysis and Challenges Identification over: US, Europe, UK, Germany, Swiss and China (<i>Vision Real Capital</i>) • Intelligent OCR for patient claims using big data analytics (<i>AIA</i>)

	<ul style="list-style-type: none"> • Consumers' Health Care Services Analysis Using Social Media Analytics (<i>AIA</i>) • Virtual Intelligent Agent (<i>AIA</i>)
2012-2016, HKUST	<ul style="list-style-type: none"> • A predictive model to forecast the turndown of the US hotel business (<i>Wing Lung Bank, USA</i>), 2015-2016. • Analysis of the correlation of loan usage and performance of a bank economy in US (<i>Wing Lung Bank, USA</i>), 2015-2016. • A development of lending optimization model for credit risk management in Indonesian Bank (<i>Brainchild Ltd</i>), 2015-2016. • A study of the correlation between the search topics and frequencies in search engine and the discussion forums for stock market (<i>K-Matrix and Asian Financial Risk Think Tank</i>), 2015-2016. • Discovery on the correlation of product mix and ordering with open data and predicting the optimal product mix and ordering plan over cloud platform (<i>Right Station Ltd</i>), 2015-2016. • A study of customer shopping behavior using Wifi locator in shopping center (<i>CLiX International Ltd</i>), 2015-2016. • A design of intelligence virtual insurance agent: product recommendation model (<i>AIA Group</i>), 2015-2016. • A design of social intelligent marketing system: using social media and data mining for new product analysis (<i>ParknShop</i>), 2015-2016. • A design of business risk monitoring system using social media analytics (<i>TownGas</i>), 2015-2016. • Risk Impacts of Shanghai HK connect to Hong Kong Financial Market (<i>Asian Financial Risk Think Tank</i>), 2014-2016 • A Comparison on the A-H pair trades before and after Shanghai HK connect (<i>Asian Financial Risk Think Tank</i>), 2014-2016 • Financial Services/Products Development Framework and Taxonomy (<i>Asian Financial Risk Think Tank</i>), 2014-2016 • Loan market demand analysis: using social media and macro-economic factors (<i>Wing Lung Bank</i>), 2014-2015. • A study on the correlation between the market factors and social media discussion to the market price fluctuation (<i>K-Matrix</i>), 2014-2015 • Using data mining for predictive analysis on hospital readmissions to reduce the operational risks (<i>Hospital Authority</i>), 2014-2015. • Using data mining for predictive analysis on Flu Influence (<i>Hospital Authority</i>), 2014-2015. • A development of the internal auditing computer-aided tool for assessing social media risks (<i>Wing On CPA Ltd</i>), 2014-2015. • Accounting Audit Risk Detection System Using Business Intelligence and Social Media (<i>Wing On CPA Ltd</i>), 2013-2014. • Customer Insight Analytics Using Social Media Data (<i>Dairy Farm</i>), 2013-2014. • A Design of Scenario-based Risk Assessment System for Construction Occupational and Safety Risk Management (<i>Hong Kong Quality Assurance Agency</i>), 2013-2014. • A development of Risk Assessment Tools of the IT Migration from Outsource to Inhouse Development (<i>AIA Group</i>), 2013-2014. • Benchmark Customer Profiling for Costume Industry using Business Analytics (<i>Data Trade Limited</i>), 2012-2013. • Implementation a rule engine for a Scenario-based Financial Risk Management Education System (<i>Marvel digital Limited</i>), 2012-2013.

TEACHING AND PROGRAM/SYLLABUS WRITING TRACK RECORDS

PROGRAM/SYLLABUS WRITING

Bachelors in Applied AI, HKU (2020-2025)

1. APAI3010 Image Processing and Computer Vision
2. APAI4011 Natural Language Processing
3. APAI4099 Special topics of Applied AI
4. APAI3799 Directed Studies in Applied AI
5. APAI4798 Applied AI Project
6. APAI4766 Applied AI Internship

Bachelors in Business Administration (Data Analytics Concentration), MU, USA (2018-2019)

1. QS 2500 Principle of Data Analytics
2. QS 3120 Data Mining and Business intelligence
3. QS 3220 Prescriptive Analytics for Managerial decisions
4. QS 4150 Social Media Analytics and Web Mining
5. QS 4240 Big Data Analytics and Visualization

Certificates in Data Analytics – Graduate level, MU, USA (2019-2020)

1. QS 6xxx Data Mining and Machine learning
2. QS 6xxx Social Media Analytics and Network Analysis
3. QS 6xxx Big Data and Wisdom Management

Minor Program in Data Analytics – Undergraduate level, MU, USA (2019 – 2020)

1. QS 3120 Data Mining and Business intelligence
2. QS 3220 Prescriptive Analytics for Managerial decisions
3. QS 4150 Social Media Analytics and Web Mining
4. QS 4240 Big Data Analytics and Visualization
5. QS 3xxx Python for Business Analytics
6. QS 4xxx Artificial Intelligence and Algorithms

BSc in Risk Management and Business Intelligence, HKUST (2010 –2012)

1. RMBI 341 Business Intelligence Strategies and Applications
2. RMBI 300A Integration Business Intelligence into Risk Management
3. RMBI 4000B Environmental Risk Management for Corporate
4. RMBI 4200 Design of Business Intelligence Solutions
5. RMBI 1010 Risk Management in Society
6. RMBI 1020 Business Intelligence in Contemporary Society

BSc in Nursing and MSc in Health Informatics, PolyU (2008 - 2009)

1. Advanced Topics in Knowledge Management in Healthcare

BSc in Enterprise Engineering with Management Program, PolyU (2006 - 2007)

1. ISE375 Enterprise System Modeling and Design
2. ISE456 Managing Information Systems
3. ISE457 Business Process Management
4. ISE547 Customer Relationships Management

TEACHING SUBJECTS LIST

<p>The University of Hong Kong</p>	<p>Lecturer, Program Co-Director/Coordinator, and Deputy Director of HKU SAAS Data Science Lab Teaching Subjects (MSC courses and undergraduate courses):</p> <ul style="list-style-type: none"> • STAT1005 Foundations of Data Science • STAT1015 Introduction to Data Science • STAT2604 Introduction to Python Programming and Elementary Data Analysis • STAT4011 Natural language processing • APAI 4766 Applied AI Internship • STAT 3799 Directed studies in statistics • STAT 4798 Statistics and actuarial science project • STAT 7008A/STAT7008B Introduction to Data Science Programming • ARIN7102 Applied data mining and text analytics • STAT 8021 Big Data Analytics • STAT 8306 Statistical Methods for Network Analysis • STAT 8307 Natural Language Processing and Text Analysis • STAT 8002 Project • DASC 7600 Data Science Project 	<p>From 9 2020 to present</p>
<p>Madonna University</p>	<p>Assistant/Associate Professor (promoted to Associate Professor in 2020/2021)/Adjunct Associate Professor Teaching Subjects (MSC courses and undergraduate courses):</p> <ul style="list-style-type: none"> • MIS 2500 Principle of Data Analytics • MIS 3470 Health Care Data Analytics • MIS 5200 Essentials of Research • MIS 6430 Managerial Research Design • MIS 6840 Project Research Study • MBA 6950 MBA Capstone • BR 5210 Quantitative Methods for Business Research • HSA 6050 Marketing for Improved Health Service Delivery • MIS 5230 Health Care Informatics/Health Care Informatics Systems Analysis & Design • MIS 3350 Health-Care Informatics • MIS 5580 Management Information Systems/Technology Management • MIS 2390 Emerging Trends in Computer Technology • MGT 2400 Introduction to Management Information Systems 	<p>From 1 2017 to 7.2020</p>
<p>The Hong Kong University of Science and Technology</p>	<p>Senior Lecturer (Associate Professor) and Associate Director (UG Coordinator) Teaching Subjects:</p> <ul style="list-style-type: none"> • UROP 1011 Undergraduate Research Study • RMBI 1010 Risk Management in Society • RMBI 1020 Business Intelligence in Contemporary Society • RMBI 300A Integration Business Intelligence into Risk Management • RMBI 4410 Business Intelligence Strategies and Applications • RMBI 4420 Design of Business Intelligence Solutions • RMBI 4000B Environmental Risk Management for Corporate <p>Capstone Project Supervisor</p> <ul style="list-style-type: none"> • RMBI 4980 Risk Management and Business Intelligence Capstone Project I • RMBI 4990 Risk Management and Business Intelligence Capstone Project II <p>Initiate and Lead E-learning Funding Projects</p> <ul style="list-style-type: none"> • Proposed a new teaching methodology to improve students' critical thinking (Using scenario analysis, reflective and social communication approaches – web2.0 environment) • Improving students' learning experience in RMBI - From the perspectives of the industries, students and teachers <p>Program Committee and Administration</p> <ul style="list-style-type: none"> • Implement the quality assurance framework of the program and construct the program advisory board with the industries, students, alumni, and staffs in various departments • Design and give advice on 4-year curriculum • Give advice on the curriculum design and direction • Perform student recruitment/admission of RMBI program • Promote IPO & RMBI program in local and overseas • Student advisor for academic and personnel development • Supervise the program office staffs on the administration work <p>Research Area:</p>	<p>From 7 2010 to 6. 2016</p>

- *Big data analytics and Risk Management Systems (Finance, Healthcare and Enterprise)*
- *E-learning and Industrial collaboration*
- **Organized Risk Insights Challenge Competition with Qlik and KPMG**
- *Organize the risk insights challenge competition with Qlik and KPMG and judge of the competition (Big Data Analytic solution for Enterprise Risk, Digital Risk, Credit Risk, and Estimation Risk)*
- *Provide monitoring on the competition to the students in interdisciplinary applied research on financial and business risks problem*
- *Lead and develop tri-model learning with the faculties in various schools (BUS/QFIN + CSE + RMBI)*
- **Initiated the Theme Group Applied Research Studies with Asia Financial Risk Think Tank (Industrial Financial Risk Experts)**
- *A Comparison on the A-H pair trades before and after Shanghai HK connect*
- *Financial Services/Products Development Framework and Taxonomy*
- **Mentorship program**
- *Organize and work with the corporate' CEO, directors and managers for the mentorship program of RMBI program – invited 120 mentors from IT, bank, investment firm, healthcare, government and manufacture for RMBI students in 10/11, 11/12, 12/13, 13/14 academic year*
- **Internship & Capstone Project Collaboration**
- *Initiate and work with the corporate to have the industrial research collaboration*
 - *3 companies/authority (Lifewood, Marvel, Quality Healthcare) to have research collaboration in 11/12 academic year*
 - *6 companies/authority (Dairy Firm, WingOn, Brainchild, Marvel, DataTrade, & HKQAA,) in 12/13 academic year*
 - *7 companies (Hospital Authority, Wing Lung Bank, AIAPT, Brainchild, K-Matrix, Wing On, HKQAA)*
 - *6 companies (Hospital Authority, Wing Lung Bank, Brainchild, K-Matrix, Wing On)*
- *Students internship program (Marvel, Lifewood, Credit Sussie, AIA Insurance, Bank of China, Chappuis Halder & Cie, TGL Group, Deloitte, KPMG, Velocity Solutions)*
- **BI Workshops and RMBI Symposium organization**
- *Invite corporate CEO & directors and government leader as speaker in the Symposium*
 - 2011
 - *Ms Alexa Lam, Deputy Chief Executive Officer and Executive Director, Policy, Securities and Futures Commission*
 - *Dr Paul Tsang, Managing Director, Head of Asia Market Risk Department, Morgan Stanley*
 - *Dr Wing Nam Wong, Senior Health Informatician, Hong Kong Hospital Authority*
 - 2012
 - *Mr Eric Cheung Po Chung, Deputy Director (Business Marketing & Development), CLP Power Hong Kong Limited*
 - *Mr King Leung, Managing Director, Datatrade Limited*
 - *Mr Dwight Paul Lam, Managing Director of BrainChild Inc.*
 - *Mr Yuen Siu Hong, Daniel, Research Director, Gartner Inc*
 - *Dr Erwin Siu Hung Lau, Consulting Technical Solution Manager, IBM China/Hong Kong Ltd*
 - 2013
 - *Mr. David K.T. Cheung, Senior Vice President, Credit Management Department, Wing Lung Bank Limited*
 - *Mr. Vincent Lam, CFO, VMS Investment Group.*
 - *Mr. Coleman Tse, General Manager, Construction Business, Hong Kong Quality Assurance Agency.*
 - *Dr. Chun Por Wong, JP, Chief of Service of Integrated Medical Services, Consultant and Head, Department of Geriatrics, Ruttonjee and Tang Shiu Kin Hospitals*
 - 2014
 - *Mr Luke Ma, Vice President, Information Risk, J.P. Morgan*
 - *John Tan, CRO of Global Markets, StateStreet*
 - *Annie Li, Vice President, Credit Risk Management, BNY Mellon*
 - *Dominic Wu, Managing Director and Senior Risk Manager, Asia Pacific Risk Management and Compliance, BNY Mellon*
 - *James P. Pagano, Asia Pacific Treasury Manager, BNY Mellon*
 - *Rogers Chan, Risk Manager, Securities and Futures Commission of Hong Kong*
 - *Mr Jacky Leung, Compliance Controller, Wholesale Banking, Asia Pacific, Natixis*
 - *Mr Vincent Lam, Chief Financial Controller, Hedge Fund and Private Equity Risk Management, VMS Investment Group*
 - *Mr Kenneth Cheung, Associate Director, Wealth Management & Protection, AIA International Limited*
 - *Mr Marcus Wong, Head of Derivatives Clearing Services, TREATS & Utilities Technology, APAC, HSBC*
 - *Mr Anthony Cheung, Head of the Clinical Systems Section of the Corporate Development*

	<p><i>& Information System division, Hospital Authority</i></p> <ul style="list-style-type: none"> - <i>Mr Louis Leung, President, Wing On CPA & Associates and Wing On Professional Group</i> - <i>Mr King Leung, CEO, CLiX Limited & /DataTrade Limited</i> - <i>Mr Raymond Chu, Executive Director, BrainChild Inc.</i> - <i>Mr Kenneth Law, Manager, Internal Consultancy division, DHL Express</i> - <i>Mr Eric Lui, Chief IT Strategy & Enterprise Architecture Manager, MTR Corporation</i> - <i>Mr Sammy Wan, Manager of Quality, Safety and Environment of ATAL</i> - <i>Mr Kin So, Executive Officer, HKSAR</i> <ul style="list-style-type: none"> • <i>Organize the logistic and guest invitation of the symposium</i> • <i>Organize BI workshops for students</i> <ul style="list-style-type: none"> - <i>Workshop on SPSS Business Analytics, Feb 2013</i> - <i>Workshop on QlikView for Business Reporting and Analysis, Feb 2014</i> - <i>Workshop on Qlik Sense for Analysis & Visualization, Feb 2015 (collaboration with QFIN)</i> - <i>Case Studies on the using the Qlike Sense to E-commerce Intelligence, Mar 2015</i> - <i>Workshop on Qlik Sense for R+Data Reporting, Mar 2015</i> - <i>Case Studies on QlikView for Business Intelligence, Mar 2015</i> 	
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<p>The Hong Kong Polytechnic University</p>	<p><u>Assistant Professor (School of Nursing)</u> Teaching Subjects:</p> <ul style="list-style-type: none"> • Professional Development of Health Informatics • Leadership Roles and Management Functions in Healthcare • Knowledge management in clinical applications • Final year project supervisor of BSc in Nursing <p>Mphil Co- supervisor</p> <ul style="list-style-type: none"> • Data Mining on Infection Control with H5N1 clinical data <p>Supervisor in Doctorate degree</p> <ul style="list-style-type: none"> • SN6802 Guided Study of Data Mining <p>Visiting Lecturer</p> <ul style="list-style-type: none"> • SN606 Information Technology in Healthcare <p><u>Lecturer (Department of Industrial and Systems Engineering)</u> Teaching in BSc and Master Courses:</p> <ul style="list-style-type: none"> • FYP Project Supervisor • Introduction to Computing • E-business for Engineers • Introduction to Enterprise Computing • Industrial Information System • Business Process Engineering • Software and Data Quality • Enterprise Knowledge Portal • Introduction to Enterprise Systems • Technology and Applications for E-business • Logistic Information Systems • Engineering Enterprise Portal • Electronic Customer relationship Management <p>Supervisor in Engineering Doctorate (Faculty of Engineering)</p> <ul style="list-style-type: none"> • ISE575 Guided Study of Financial Decision Making <p><u>Assistant Professor (Department of Computing)</u> Teaching in BSc and Master Courses:</p> <ul style="list-style-type: none"> • Customer Relationship Management and Technology • Electronic Commerce • E-Commerce Fundamentals and Development • Internet and Web Programming • Discrete Structure and Data Model • Mathematics • Co-Examiner of Master of Philosophy • Final Year Project Supervisor/Co-supervisor <ul style="list-style-type: none"> - CEPA Knowledge Management Portal - Financial Knowledge Dictionary System - Team-Leadership Knowledge Management System <p>Research Area:</p> <ul style="list-style-type: none"> • Knowledge-enabled Customer Relationship Management • E-commerce/business Application Adoption • E-government 	<p>From 9 2007 to 6 2010</p> <p>From 6 2006 to Present</p> <p>From 9. 2004 to 1 2005</p> <p>From 1 2007 to 6 2007</p> <p>From 7 2005 to 7 2007 & From 9 2001 to 6 2003</p> <p>From 9. 2003 to 6 2005</p>
<p>The University of Hong Kong</p>	<p><u>Lecturer/Tutor (Teaching)</u> BSc in Information Systems and Computing</p> <ul style="list-style-type: none"> • Information System Management • Telecommunications and Computer Communications • Human Computer Interaction • Data, Information and information Storage • Introduction to Computing • Neural Network (Artificial Intelligence) <p>MSc in Information Technology</p> <ul style="list-style-type: none"> • Internet Commerce • Information System Strategies and Management • Evaluation of Information Systems 	<p>From 9 1997 to 8 2003</p>

	<p><i>MSc in E-commerce</i></p> <ul style="list-style-type: none"> <i>Internet Commerce</i> <p>Final Year Project Supervisor</p> <ul style="list-style-type: none"> <i>BSc in Information Systems and Computing (over 150 students' individual project with passing rate 100% under Dr Lau supervision - norm of the program is 78% passing rate only)</i> <i>MSc in Information Technology (over 30 students' individual project)</i> <i>MSc in E-commerce (over 60 students' individual project)</i> 	
The Chinese University of Hong Kong	<p>Teaching Assistant (Department of System Engineering and Engineering Management)</p> <ul style="list-style-type: none"> <i>Open Systems and E-commerce</i> <i>Perspectives for E-commerce</i> <i>Computational Intelligent for Decision Making</i> <i>Data Structures</i> 	From 9 1999 to 6 2001
The University of Hong Kong	<p>Teaching Assistant (Department of Computer Science and Engineering)</p> <ul style="list-style-type: none"> <i>Information System Management</i> <i>Special Topic in Information Systems</i> 	From 1.1997 to 12 .1998