CIHE
Caritas Institute of Higher Education
明 愛 專 上 學 院

RESEARCH
Tackling Major Challenges
Faced by the Community

明愛專上學院 Caritas Institute of Higher Education

2019

Contents

Introduction

The vision of Caritas Institute of Higher Education (CIHE) is to nurture graduates who are not only professionally well-trained and academically well-educated, but who can also contribute to the social and moral well-being of society.   Our research strategy is based on CIHE's distinctiveness and strength of the programmes we offer.   Since the establishment of the Research Office, with the help of a grant from the Research Grant Council (RGC/IDS11/2014) a few years ago and with CIHE's own resources thereafter.

- Speakers from local and internal research communities have been invited to give presentations on a range of research topics in order to enhance interest in research and potential for collaboration;
- Research Professors (both full time and honorary) have been appointed to help nurture early career academics;
- External reviewers have been appointed to help shape research proposals and copy-editing support is made available to help staff in getting their manuscripts published in higher impact journals;
- Internal research grants are available to provide seed money for pilot studies, with the aim of collecting the necessary preliminary data for substantiating full applications for competitive research grants, thus helping to promote the development of an individual's research pathway.

The number of article publications in the Science Citation Index, Social Sciences Citation Index, Art and Humanities Citation Index journals with CIHE affiliation are increasing steadily.   Continuous improvement of quality is an important objective, not just quantity.   The focus of research communities in CIHE, are on technology, social, healthcare, humanities and business research. We are seeking to build upon the last four years' success in fostering research capability, in a way which is fit for the purpose of informing teaching and appropriate for CIHE's distinctiveness and strengths.   We are focusing our efforts and resources on translational and downstream research, practice development and where our strengths can create impact on challenges faced by the community.   Our strategy is also consistent with the parallel development of the self-financing post-secondary sector and the UGC-funded universities, as envisaged by the government-appointed taskforce, with UGC-funded universities focusing more on fundamental and excellent or world-class research.

Research Projects Funded by Research Grants Council (RGC)

Research Grants Council's Competitive Research Funding Schemes for the Local Self-financing Degree Sector (2014-2019 Exercise) – List of Funded Projects

Project Title	Principal Investigator	School/Unit
Faculty Development Scheme (FDS)		
Economic Consequences of the Anti-Corruption Campaign in China	Dr Paul MAN	Business and Hospitality Management
Context-aware learner profiling for e-learning system: classization, groupization and personalization	Prof Philips WANG	Business and Hospitality Management
Book-Tax Tradeoff Theory and Corporate Acquisition Payment Methods: Evidence from China	Prof CHAN Koon-hung	Business and Hospitality Management
Revisiting the DeAngelo (1981) Theory on Auditor Size and Audit Quality at the Audit Firm, Audit Office and Engagement Partner Levels	Prof CHAN Koon-hung	Business and Hospitality Management
An Automated Student Program Assessment Framework with Tailorable and Automated Test Oracle for Computer Science Education	Prof POON Chung-keung	Computing and Information Sciences
Structural Modeling, Characterization and Analysis of New Receptor-Ligand Systems: Applying Computational Methods in Molecular Binding Affinity Analysis	Dr HO Wai-shing	Computing and Information Sciences
Vision-based Two-hand Gesture Recognition and Evaluation System for Healthcare Training	Dr Raymond PANG	Computing and Information Sciences
Web technologies for 3D content creation and collaborative manipulation	Dr Raymond PANG	Computing and Information Sciences
OREO: Cross-Layer Optimization for Power Efficient OLED Display	Dr ZHAO Yingchao	Computing and Information Sciences
Sentiment Analysis based on Multi-source Social Network Data	Dr ZHAO Yingchao	Computing and Information Sciences
Energy-efficient joint resource scheduling for wireless networked control systems	Dr ZHAO Yingchao	Computing and Information Sciences
A Qualitative Exploration of Leadership and Management Styles among Management Staff and How They Influence the Care Providers Caring for the Older People in Residential Care Homes	Prof Lisa LOW	Health Sciences

Project Title	Principal Investigator	School/Unit
Exploring family caregiving experiences and identifying the process of the ageing carers' planning for continuation of care for the community-dwelling person with intellectual disability	Prof Lisa LOW	Health Sciences
Care providers' experiences of managing challenging behaviours of persons with intellectual disabilities in residential care: A qualitative vignette study	Prof Lisa LOW	Health Sciences
Anti-emetic potential of cocaine- and amphetamine-regulated transcript (CART) system in Suncus murinus	Dr Stella CHAN	Health Sciences
Investigation of the differential roles of centrally located GLP-1 receptors in emesis and feeding in Suncus murinus	Dr Stella CHAN	Health Sciences
Potential involvement of NUCB2/nesfatin-1 in emesis and feeding in Suncus murinus	Dr Stella CHAN	Health Sciences
Contextual Analysis of Chinese Language Teachers' Judgment On Student Writing: An Exploratory Study in Hong Kong	Prof HO Man-koon	Humanities and Languages
Exploring the Sexual Self of Female Adult Survivors of Childhood Sexual Abuse	Dr Anna NG	Humanities and Languages
A Research on the Four Masterworks of the Ming Novel under the Perspective of Literary Philosophy: Subversion and Reconstruction of Values	Dr Lawrence HSU	Humanities and Languages
Origins of grammar of Chinese Pidgin English	Dr Michelle LI	Humanities and Languages
A Study of Ethnic Economy of Disadvantaged Ethnic Minorities in Hong Kong: Exploring Experiences in the Process of Social Integration	Dr Kim KWOK	Social Sciences
For Whom and for What? Examining the Impact of Self-financing Sub-degree Education on Social Mobility of Hong Kong Youth	Ms Villy LO	Social Sciences
Social worker turnover and organizational career management in social work organizations of Mainland China	Dr MO Yuen-han	Social Sciences

Institutional Development Scheme (IDS)

Establishment of Research Office	Dr Kim MAK	
Establishment of Healthcare Research Centre	Dr Kim MAK	
Establishment of Distributed Artificial Intelligence Laboratory for Interdisciplinary Research	Dr Kim MAK	

Inter-Institutional Development Scheme (IIDS)

Seminar and Workshop Series in Digital Entertainment and Toy Computing	Dr Jeff TANG	Computing and Information Sciences

Business and Hospitality Management

Research Areas

Accounting and Finance

- Audit quality and independence, audit judgment, audit sampling and audit scheduling
- Behavioural accounting
- Corporate finance, investment and mandatory provident fund
- Corporate governance
- Cost controls and financial management
- Cultural influences on accounting and auditing
- Impacts of IT on modern accounting information systems
- Management control systems and organisational life-cycle
- Tax compliance
- Taxation and Auditing in China's setting with implications for Hong Kong International taxation
- Transfer pricing

Business and Management

- Business sustainability
- Operational system for garment manufacturing
- Organization commitment and corporate social responsibility
- Strategic management and family business
- Supply chain management

Marketing, Information and Communication Technology

- E-Service quality and customer satisfaction
- Marketing and internet marketing
- Social media application in business

Hospitality Industry

- Service management, marketing and project management

Event Organized

Research Symposium on Cultural Influences on Business

Selected Publications

1. <u>Chan K.H.,</u> Jiang E. J. & Mo P. L. L. (2017). "The Effects of Using Bank Auditors on Audit Quality and the Agency Cost of Bank Loans." Accounting Horizons, 31(4): 133-153.

2. Tang, T., Mo P. L. L. & <u>Chan K. H.</u> (2017). "Tax Collector or Tax Avoider? An Investigation of Intergovernmental Agency Conflicts." The Accounting Review (TAR), 92 (2): 247-270.

3. Chan, A. T. L., Ngai, Eric W. T. & <u>Moon, K. K. L</u>. (2017). "The effects of strategic and manufacturing flexibilities and supply chain agility on firm performance in the fashion industry". European Journal of Operational Research, Vol. 259(2), 486-499.

4. <u>Lai, I. K. W</u>. & Hitchcock, M. (2017). Sources of satisfaction with luxury hotels for new, repeat, and frequent travelers: A PLS impact-asymmetry analysis. Tourism Management, 60, 107-129.

5. <u>Wong, T. T. A.,</u> Hsiang C. L. L. & Tong, C. (2017). The Relationship between Customer Satisfaction and Corporate Reputation and Credibility. Asian Journal of Economics, Business and Accounting, 4(2), 1-12.

6. Tong, C., <u>Wong, T. T. A.</u> & Hsiang C. L. L. (2017). The Relationships between Corporate Social Responsibility and Customer Satisfaction in Taiwan Farmer Association. Journal of Economics, Management and Trade, 18(2), 1-13.

7. <u>Wong, T. T. A.</u> (2017). A Study of Factors Affecting Trust in Online Shopping. Journal of Global Economics, Management and Business Research, 9(1), 7-16.

8. <u>Wong, T. T. A.,</u> Hsiang C. L. L. and Tong, C (2017). "Determinants Affecting Repurchasing Behaviors Towards Online Shopping in Hong Kong". Journal of Global Economics, Management and Business Research, 8(4), 193-203.

9. Hsiang C. L. L, Tong, C., & <u>Wong, T. T. A.</u> (2017). "The Intervening Effect of Customer Satisfaction in the Relationship between Corporate Social Responsibility and Reputation and Credibility: Case of Credit Departments of Taiwan's Farmer Association". British Journal of Economics, Management & Trade, 16(4): 1-18.

10. <u>Chow, K. M</u>. (2017). "E-service quality: A study of online hotel booking websites in Hong Kong". Asian Journal of Economics, Business and Accounting, 3(4), 1-13.

11. Lin, J. S. B. & <u>Liu, C</u>., (2017). "R&D intensity and firm valuation: effect of director and manager incentives", International Journal of Services and Standards, 12(1), 64-78

12. Lai, K.W. & <u>Leung, P.W.</u> (2018). Unintended consequences of securities regulation: Stock value loss upon potential involuntary delisting in Hong Kong, Global Finance Journal, 37, 291-226.

13. Wong, T. T. A. (2018). A Study of Consumer Acceptance of Mobile Payment Services in Hong Kong. Journal of Economics, Management and Trade. 21(3): 1-14.

14. Wong, T. T. A. (2018). A Study of the Relationships of Customer Satisfaction and Brand Loyalty to Purchase Intention on Freeze-dried Fruits. Journal of Global Economics, Management and Business Research. 10(1): 1-8.

15. Li, K. & Wong, T. T. A. (2018). The application of permanent portfolio in financial management and retirement scheme, Journal on Business Review. 5(3), 38.

16. Wong, T. & Li, K. (2018). Can we make the permanent portfolio even better by rebalancing more frequently or by changing the rebalancing day? Journal of Accounting and Finance, North American Business Press, 18(4), 80.

17. Tong, C., Wong, T. T. A. & Cheng, T. (2019). Do Corporate Social Responsibility and Safety of Food Affect Reputation? A Study of Fast-food Restaurants Industry in Hong Kong, Journal of Economics, Management and Trade, 22(3):1-18.

18. Wong, T. T. A., Cheng, T. & Tong, C (2019). A Study of the Mediating Effects of Safety and Health of Food between Corporate Social Responsibility and Corporate Image and Reputation in Fast-Food Restaurants Industry in Hong Kong, Journal of Economics, Management and Trade, 23(4):1-13.

Computing and Information Sciences

Research Areas

Artificial Intelligence Research

- Distributed machine learning
- Editing/synthesizing relative emotion strength
- Image processing
  - Colorblind-Shareable Videos
  - Deep Binocular Tone mapping
  - Deep Extraction of Manga Structural Lines
  - Deep Visual Sharing with Colorblind
  - Invertible Grayscale
- Parkinsonian vs Normal 3-D Reaching
- Posture accuracy for activity monitoring

Other research includes

- Algorithm Design and Analysis
- Algorithmic Game Theory
- Computational Complexity
- Computer Graphics and Animation
- Operations Research
- Technology in Education Research

Events Organized

The International Conference on Technology in Education (ICTE) 2015

Technology has become an integral part in virtually all aspects of education, broadly covering curriculum planning, content development and delivery, communication among learners, instructors and institution, assessment and programme evaluation. The International Conference on Technology in Education (ICTE) aims to serve as a platform for relevant academic exchanges across higher education institutions, focusing especially on sharing of good practices and results from studies.

ICTE 2015 (2-4 July 2015) was co-organized by Caritas Institute of Higher Education (CIHE), the Open University of Hong Kong (OUHK), and the School of Professional and Continuing Education of the University of Hong Kong (HKU SPACE).

Keynote speakers:
Prof Kai S. KOONG
Editor-in-Chief, International Journal of Services and Standards
Editor-in-Chief, International Journal of Electronic Healthcare

Prof GUO Wenge
Associate Professor, Graduate School of Education, Peking University
Visiting Scholar of SUNY at Albany and Chinese University of Hong Kong

Dr LI Kam Cheong
Director, University Research Centre, Open University of Hong Kong

The International Conference on Technology in Education (ICTE) 2015

High Tech + High Touch = High Impact Proactive Learning

2/7/2015
Prof Kai S. KOONG
Editor-in-Chief,
International Journal of Services and Standards
Editor-in-Chief,
International Journal of Electronic Healthcare

Advancement in higher education has undergone radical changes in the last 20 years. In the latter part of the millennium there has been a rise of many new categories of institutions of higher learning that have distinctly different missions and charges from traditional universities. Overall, it can be said that more is demanded of faculty in terms of workload and performance impact. Then, in the new millennium, accreditations agencies and governments are asking for accountabilities in the way instruction is delivered and assessment is measured.

Today, educators are enthusiastically implementing blended learning, mobile learning, ubiquitous learning, and collaborative learning. With all the push using technology mediated learning, the goal is for students to become engaged and be proactive learners.

However, incorporating more technology into the curriculum is not a panacea for academic success. During this presentation, four major shifts in paradigms about academic challenges that are forthcoming in the near future will be highlighted.

To begin, administrators and faculty will be provoked to have a systematic and shared understanding of their new academic mission. Second, both administrators and faculty be will challenged to change the way academic success is viewed, delivered, and measured. Third, "high tech and high touch" are two dependent mission critical focus areas that must be incorporated into all instructional processes because its long term impact is truly significant. Examples of the best practices involving "high touch" initiatives for the e-learning environment will be highlighted from several case studies. Last, but of equal importance are suggestions for resource allocation that must be aligned strategically and how success must be communicated.

Internet: A New Communication Ecosystem of Education

3/7/2015
Prof GUO Wenge
Associate Professor,
Graduate School of Education
Peking University
Visiting Scholar of SUNY at Albany and
Chinese University of Hong Kong

Education is the transmission of human experience and wisdom in longitudinal dimension, without media, instruction will not happen. Media, the new or the traditional, can be defined by symbol system, carrier, replication of content, and the character of one-way and two-way deliver. Replaying the education history, each "new media", included the oral Chant, papyrus, Printing Press, Radio and television and Internet, changed the system of recording, collecting, delivering and publishing human's observations, wisdom and knowledge at first; and then, restructured the structure of education communication; and finally re-coined the whole education system.

Technology in Education Today: Potentials and Challenges

3/7/2015
Dr LI Kam Cheong
Director, University Research Centre,
Open University of Hong Kong

Technologies have penetrated virtually all aspects of educational establishment and delivery. Their effectiveness and value have increasingly been questioned. Some of them bring benefits, while some others not only mutate into disruptive technologies soon after emergence but also become a nuisance to education.

This presentation provides an overview on the transformation of technology-mediated education and reviews the current trends in its adoption, from the simple to the cutting-edge technology, singular to multi-level/ dimensional integrated programmes, and individual to organisational or cultural adoption. It explores how technology has revolutionized learning-modes, -materials and -space, as well as examines its potentials and challenges by drawing on relevant recent studies and analysing instances of success and failure, including e-learning, mobile learning, OERs and MOOCs. By summarizing patterns of developments, it discusses possible ways to realize the full potential of integrating technologies into education and handling challenges.

The International Conference on Technology in Education (ICTE) 2018

ICTE 2018 was organized by Caritas Institute of Higher Education (CIHE).
Date: 9 – 11 January 2018

Keynote speakers:
Prof Kai S. KOONG
Professor and Dean, Andrew F. Brimmer College of Business and Information Sciences, Tuskegee University

Prof Kongkiti PHUSAVAT
Professor, Department of Industrial Engineering, Kasetsart University

Prof Gwo-Jen HWANG
Chair Professor and Dean, College of Liberal Arts and Social Sciences
National Taiwan University of Science and Technology

Prof Jianli JIAO
Professor and Director, Future Education Research Center, South China Normal University

The International Conference on Technology in Education (ICTE) 2018

Using Online Program Management Solutions for Delivering Quality Academic Programmes

9/1/2018
Prof Kai S. KOONG
Professor and Dean, Andrew F. Brimmer College of Business and Information Sciences, Tuskegee University

An increasing number of universities are using Online Program Management (OPM) solutions to deliver education programs. OPM solutions are an integrated suite of online services that support university leaders, faculty, staff and students in the delivery of educational program offerings. Online Program Management has no boundaries as students from any geographical location can be recruited. This is a lucrative opportunity for tradition rich and geographically restricted campuses and programs needing accelerated numerical growth to engage. Solution components are offered in the form of a fully integrated system approach to online program management comprising of core services delivered under the brand of the university partners. Such services may include, but are not limited to, online enablement, academic services, marketing services, enrollment services, legal compliances (accreditation and multi-state or national certifications) retention services, faculty and other personnel support, program financing, and most recently data science and analytics support. Typically, Online Program Management companies market their solutions/partnerships as capable of helping universities launch, grow, and sustain quality degree programs within a short time period. Typically, the costs can range from 45 to 80 percent of tuition revenue generated from student enrollment and the average contract range is 5 to 7 years, depending on the vendors and the array of services selected.

As expected, cases of successful as well as failed partnerships have been reported in the literature and there are many lessons that can be learned from these joint ventures. Apart from providing sufficient insight about this growing practice in higher education, this keynote addresses strategic, tactical, and operational issues that administrators, faculty, and students must understand when using Online Program Management Solutions to launch, grow, and sustain degree programs. Specifically, this presentation based on several high profile cases will 1) demonstrate the necessities of having critical success factors and detailed preparations, 2) showcase best practices that have generated revenue, and 3) highlight costly mistakes and consequences that took years to remedy. University administrators contemplating OPMs as a means of support, faculty members who are developing programs and courses for online delivery, and prospective students looking for quality degree programs online will find this keynote useful and interesting.

Deploying Peer-learning Community as the Pedagogy: Critical Success Factors for Bangkok Metropolitan Administration' Schools

10/1/2018
Prof Kongkiti PHUSAVAT
Professor, Department of Industrial Engineering, Kasetsart University

The study aims to identify the critical success factors for adapting Peer-learning Community (PLC). PLC represents one of several changes in the pedagogical practices for the secondary-level schools at Bangkok Metropolitan Administration (BMA). The initial assessment shows that PLC has improved the life skills for the students as well as has raised the level of students' enthusiasm. The study is based on the observation over the period of 3 years from 2015 until the present. Three schools under BMA's Department of Education decided to integrate PLC as part of the students' problem-based learning. The teachers and students from these three schools have used the environment and ecology as the main premise on applying PLC. This premise represents how students view the environment and ecology nearby their schools and in their communities. The theme allows the students to learn either how to solve the environmental problems or how to live with their environment in a more sustainable way. As earlier mentioned, PLC is applied to help strengthen the pedagogy in the environmental

and ecological subject. The success factors in PLC stems from external knowledge to give the actual illustration of PLC, careful planning with student's involvement and the theme for projects or problems for students, the ability to sustain the motivation among teachers and students, use of ICT, and patience and trust. PLC does not only contribute positively to teachers but also stimulates students in a way that they feel that they have achieved in acquiring these life skills. Due to the success, these teachers have extended their experiences and are working with ten schools extensively outside Bangkok.

Learning Behavior and Interactive Pattern Analysis - Methodologies, Tools and Practices

10/1/2018
Prof Gwo-Jen HWANG
Chair Professor and Dean, College of Liberal Arts and Social Sciences, National Taiwan University of Science and Technology

Learning analytics refers to the analysis and interpretation of data related to learners' behaviors, interactive content and learning contexts recorded during learning process as well as their profiles and portfolios. The objective of learning analytics is to provide helpful information to optimize or improve learning designs, learning outcomes and learning environments based on the analysis results. In this talk, Prof. Hwang would review the current states of learning analytics research and the design considerations. To this

end, the methodologies and tools for analysing students' online learning behavioural patterns and interactive patterns are introduced. Several relevant applications are presented to show how the methodologies and tools work. It is expected that this talk can inspire researchers to discover potential research issues of e-learning or blended learning and to apply the methodologies and tools to their studies in the future.

Five Principles of MOOC Design and Development: Lessons from Two MOOCs

11/1/2018
Prof Jianli JIAO
Professor and Director, Future Education Research Center, South China Normal University

The Massive Open Online Course (MOOC) has been the latest disruption in online education and one of the fastest-growing segments of the education system in past ten years. It delivers open educational resources online and hence provides opportunity for people all over the world to learn anything they want to learn, anytime, anywhere. However, although MOOCs are gaining popularity in higher education, very few best practices or research in designing, developing and implementing MOOCs have been reported so far. This status quo makes it difficult for educators, course designers, and university administrators to make decisions around MOOC design and deployment given the lack of references.

Since April of 2016, the speaker and his team have provided K-12 teachers with two MOOCs: "English Teaching and the Internet" and "ICT Teaching Competencies for 21st Century Teachers: Big Five". More than 50,000 learners have registered and participated in these two MOOCs. In the keynote speech, the speaker will report his work on the design, development and implementation of these two MOOCs, and share lessons he and his team learned from them. Based on learner needs, as well as a set of best practices in implementing the courses with a variety of instructional techniques supported with Web 2.0 technologies, he will propose five principles for MOOC developers and instructors. The principles cover aspects of Iterating, Engaging, Peer-coaching, Social, and Mixed.

Selected Publications

1. Gupta, L., Samaka, M., Jain, R., Erbad, A., Bhamare, D. & Chan, H. A. (2017) "Fault and performance management in multi-cloud based NFV using shallow and deep predictive structures," Journal of Reliable Intelligent Environments, 3(4), 221-231.

2. Li, X., Samaka, M., Chan, H. A., Bhamare, D., Gupta, L., Guo, C. & Jain, R. (2017) "Network Slicing for 5G: Challenges and Opportunities," IEEE Internet Computing, 21(5), 20-25.

3. Bhamare, D., Samaka, M., Erbad, A., Jain, R., Gupta, L. & Chan, H. A. (2017) "Optimal virtual network function placement in multi-cloud service function chaining architecture," Computer Communications, 102 , 1-16.

4. Muslam, M., Chan, H. A., & Ventura, N. (2017) "Distributed Mobility Management with Mobile Host Identity Protocol Proxy," Eurasip Journal on Wireless Communications and Networking, 71. https://doi.org/10.1186/s13638-017-0853-z

5. Xu, X., Zhong, L., Xie, M., Liu, X., Qin, J., & Wong, T. T. (2017). ASCII art synthesis from natural photographs. IEEE transactions on visualization and computer graphics, 23(8), 1910-1923.

6. Li, C., Liu, X., & Wong, T. T. (2017). Deep extraction of manga structural lines. ACM Transactions on Graphics (SIGGAPH 2017 issue), 36(4), 117.

7. Liu, X., Li, C., & Wong, T. T. (2017). Boundary-aware texture region segmentation from manga. Computational Visual Media (CVM 2017 issue), 3(1), 61-71.

8. Wu, W., Li, H., Shan, F., & Zhao, Y. (2017, December). Optimal Rate Schedules with Data Sharing in Energy Harvesting Communication Systems. Sensors, 17(12), 2958. doi:10.3390/s17122958

9. Fong C.K., Li M., Li Y., Poon S., Wu S. & Zhao Y. (2017) Scheduling Tasks to Minimize Active Time on a Processor with Unlimited Capacity. In Theory and Applications of Models of Computation - 14th Annual Conference (TAMC), Paper presented at Bern, Switzerland (pp. 247-259).

10. Zou, D., Xie, H., Rao, Y., Wong, T.-L., Wang, F. L., & Wu, Q. (2017). A comparative study on various vocabulary knowledge scales for predicting vocabulary pre-knowledge. International Journal of Distance Education Technologies, 15(1), 69-81.

11. Zou, D., Xie, H., Wang, F. L., Wong, T.-L., & Wu, Q. (2017). A study on the effectiveness of electronic and paper dictionaries: Comparing the hybrid use of both and the pure use of either. International Journal of Innovation and Learning, 21(4). https://doi.org/10.1504/ijil.2017.084364

12. Zou, D., Xie, H., Wong, T.-L., Wang, F. L., Kwan, R., & Chan, W. H. (2017). An Explicit Learner Profiling Model for Personalized Word Learning Recommendation In V. T.-C. Huang, R. Lau, Y.-M. Huang, M. Spaniol, & C.-H. Yuen (Eds.), Emerging technologies for education: Second International Symposium, SETE 2017, Held in Conjunction with ICWL 2017, Cape Town, South Africa, September 20–22, 2017, Revised Selected Papers (pp. 495-499). Cham: Springer.

13. Bai, X., Yang, S., Wang, F. L., & Knapp, M. (2017). Social support and sense of loneliness in solitary older adults. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-52836-6_34

14. Fu, C., Zhao, Y., Li, M., & Xue, C. J. (2017). Maximizing Common Idle Time on Multicore Processors With Shared Memory. IEEE Trans. VLSI Syst. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 25(7), 2095–2108.

15. Hui, C. P., Pang, W.-M., Tian, V.-I., Dtv Conference: The True Vision - Capture, T., &Display of, D. V. (2017). Collaborative 3D accessories customization and trading through web interface. 1–4.

16. Hung P.C.K., Tang J.K.T., Kanev K. (2017) Introduction. In: Tang J., Hung P. (eds) Computing in Smart Toys. International Series on Computer Entertainment and Media Technology. Springer, Cham.

17. Liu, S., & Poon, C. K. (2017, December). A Simple Greedy Algorithm for the Profit-Aware Social Team Formation Problem. In International Conference on Combinatorial Optimization and Applications (pp. 379-393). Springer, Cham.

18. Poon, C. K., Zhu, C. J., &Lam, K.-Y. (2017). Energy-efficient air-indices for shortest path and distance queries on road networks. IS Information Systems, 71, 182–198.

19. Rao, Y., Li, Q., Wu, Q., Xie, H., Wang, F. L., &Wang, T. (2017). A multi-relational term scheme for first story detection. Neurocomputing, 254. https://doi.org/10.1016/j.neucom.2016.06.089

20. Rao, Y., Pang, J., Xie, H., Liu, A., Wong, T.-L., Li, Q., & Wang, F. L. (2017). Supervised intensive topic models for emotion detection over short text. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-55753-3_26

21. Wong, M. W., Ye, Q., Kylar, Y. K. C., Pang, W. M., & Kwan, K. C. (2017). A Mobile Adviser of Healthy Eating by Reading Ingredient Labels. In International Conference on Wireless Mobile Communication and Healthcare (pp. 29-37). Springer, Cham.

22. Wong, T.-L., Xie, H., Zou, D., & Wang, F. L. (2017). Using iBeacon technology for active aging learning. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-52836-6_35

23. Xie, H., Zou, D., Wang, F. L., & Wong, T.-L. (2017). A review on recent development of the involvement load hypothesis. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-59360-9_39

24. Xie, H., Zou, D., Wang, F. L., Wong, T.-L., Rao, Y., & Wang, S. H. (2017). Discover learning path for group users: A profile-based approach. Neurocomputing, 254, 59-70.

25. Zhao, S., <u>Wang, F. L.</u>, &Wong, L. P. (2017). Topic-level clustering on web resources. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-52836-6_60

26. Zheng, W., Xu, Z., Rao, Y., Xie, H., <u>Wang, F. L</u>. & Kwan, R. (2017) International Conference on Behavioral, Economic, Socio-cultural Computing (BESC). Sentiment classification of short text using sentimental context. 1-6.

27. Zhu, E., Rao, Y., Xie, H., Liu, Y., Yin, J., & <u>Wang, F. L.</u> (2017). Cluster-level emotion pattern matching for cross-domain social emotion classification. International Conference on Information and Knowledge Management, Proceedings, Part F1318. https://doi.org/10.1145/3132847.3133063

28. Zou, D., <u>Wang, F. L.</u>, Xie, H., &Wong, T.-L. (2017). English education for the elderly in Hong Kong. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-52836-6_31

29. Wang, D. D., Xie, H., <u>Wang, F. L</u>., & Yan, H. (2017). Singular vector decomposition based hybrid pattern search - An efficient co-clustering method. Proceedings - International Conference on Machine Learning and Cybernetics, 1. https://doi.org/10.1109/ICMLC.2016.7860912

30. Wang, J., He, C., Liu, Y., Tian, G., Peng, I., Xing, J., & <u>Wang, F. L.</u> (2017). Efficient alarm behavior analytics for telecom networks. Information Sciences, 402. https://doi.org/10.1016/j.ins.2017.03.020

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Computing and Information Sciences
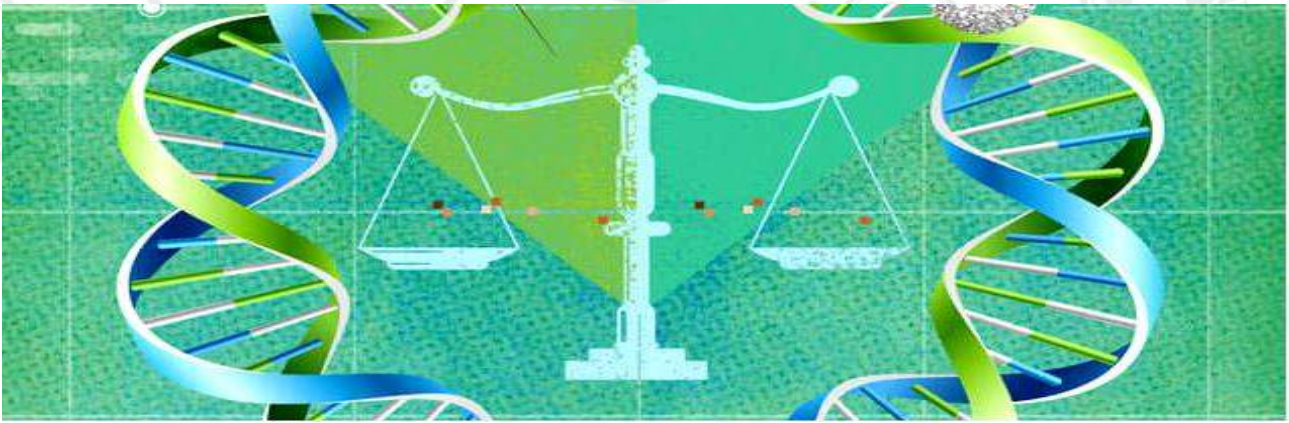
Health Sciences

Research Areas

Acute & Critical Care
- CPR & resuscitation
- Disaster & trauma management

Clinical Education & Psychosocial Care
- Innovative teaching & learning strategies in NursLabs
- Teaching & learning in the clinical environment
- Transition preparation

Community & Primary Health
- Community & primary health service models
- Impact of service models
- Neighborhood health needs

Complementary Health Approaches
- Aromatherapy & pain relief
- Exercises and metabolic syndrome

Gerontology & Long-term Care
- Decision-making
- Discharge planning
- End-of-life
- Family caregiving in dementia & intellectual disability
- Formal caregiving
- Leadership & management
- Self-care management in COPD

Healthcare Technology & Innovation
- mHealth tools to support self-management
- Multimedia resources
- Website development

Pharmacology and Pharmacy
- Experimental pharmacology and drug discovery
- Innovations in professional education
- Pharmacy practice

Event Organized

Community Health Conference 2018 – A Commitment to a Healthy Community

The conference attracted over 270 healthcare professionals in the health sector, including nurses, pharmacists, doctors, allied health professionals, researchers, students, health informaticians, and health policy makers to share and explore the existing system, various work and research ideas in promoting the community health and primary health.

Selected Publications

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Humanities and Languages

Research Areas

- Advances in translation technology
- Compilation of encyclopedias
- Culture in local movies
- Emergence of pidgin English
- Issues in Chinese philosophy
- Sexology and women's studies
- Studies on education in Hong Kong
- Technology and language learning
- Translations of western classics

Events Organized

International Conference on Linguistics and Language Studies (ICLLS)

The Conference is organised by the Chartered Institute of Linguists Hong Kong Society in conjunction with Caritas Institute of Higher Education and the Department of English Language and Literature of Hong Kong Shue Yan University. The International Conference on Linguistics and Language Studies (ICLLS) aims to provide a platform for scholars around the globe to exchange research ideas and results, share good professional practices, and explore collaboration in the fields of language, linguistics, and translation studies. The First and the Fifth ICLLS were held at CIHE in 2015 and 2019.

The First International Conference on Linguistics and Language Studies (ICLLS 2015)
Date: 9 – 10 April 2015

Professor Icy Lee
李潔冰教授

學者雲集　眼界大開：
「第一屆語言學及語文研究國際會議」記要
ICLLS 2015 – a mind and an eye opener!

由英國特許語言學會香港分會、樹仁大學及明愛專上學院合辦的「第一屆語言學及語文研究國際會議」已於2015年4月9-10日，假明愛專上學院舉行。會議吸引逾60多位本地及海外學者參加。會議第一天的主講人為Andy Kirkpatrick教授，講題為：「作為亞洲通用語的英語」。他運用亞洲英語資料庫的數據，對亞洲不同語言中的字詞作出分析，並指出亞洲不同地區的英語都有不同特徵，如：泰國英語、新加坡英語、香港英語等，這些特徵都有助當地人建立自己獨有的溝通文化。第二天，英文寫作評估權威學者李潔冰教授解釋了80-90年代，語文教育模式轉變的原因，並指出如何令語文教育由「咒詛」變成「祝福」。

兩天的會議雖短，但內容豐富，與會者都表示獲益良多，而主辦單位也決定來年要繼續舉辦這樣一個有意義的盛會！

Professor Andy Kirkpatrick

The First International Conference on Linguistics and Language Studies 2015 (ICLLS 2015) organized by the Chartered Institute of Linguists Hong Kong Society, and co-organized by Hong Kong Shue Yan University and Caritas Institute of Higher Education (CIHE) was held at CIHE's campus in Tseung Kwan O on 9-10 April, 2015. The conference was well-attended with over 60 local and overseas participants showing enthusiasm and active involvement.

The keynote speaker for the first day was Professor Andy Kirkpatrick who delivered an inspiring presentation on English as a Lingua Franca (ELF) in Asia. In his research studies using data from the Asian Corpus of English (ACE) for the analysis of words and lexicon used by Asian multilinguals, Prof Kirkpatrick depicted the individual characteristics and the communicative capabilities of a variety of ELF, such as Thai English, Singapore English, Hong Kong English, etc. On the second day, Professor Icy Lee, a leading expert in the research of language assessment explained the paradigm shift which occurred in the late 1980s and the early 1990s. She also suggested ways of turning language assessment in the classroom from a "curse" into a "blessing" for both teachers and students.

Overall feedback from the participants was positive and the Chartered Institute vowed that it would turn the conference into an annual event!

The First International Conference on Linguistics and Language Studies (ICLLS 2015)

English as a Lingua Franca in Asia: Suggestions for ELT/ELF Policy and Pedagogy

9/4/2015
Prof Andy KIRKPATRICK
Department of Languages and Linguistics
Griffith University, Australia

Professor Kirkpatrick reviewed recently conducted research studies which used data from the Asian Corpus of English (ACE) ACE. ACE is a corpus of some one million words of naturally occurring data of English used as a spoken lingua franca by Asian multilinguals. 8 data collection teams across Asia worked together to collect and transcribe the corpus. ACE is now freely accessible and stored at the Hong Kong Institute of Education.

The studies looked at the cultural settings of topics discussed in the ACE corpus, the marking or non-marking of tenses and the communicative strategies of ELF speakers. The presentation will conclude with proposals, based on the research findings, for regional ELT or ELF policy and pedagogy.

Progressive Semantic Analysis of Keywords in Chinese Tea Culture - Esthetic Metamorphosing from "Tea Leaves" to "Tea Drinking"

9/4/2015
Prof FANG Wei
Hebei Academy of Social Sciences, PRC

本文分析中國茶文化關鍵字以"茶"為根的詞,包括茶葉、茶情、茶韻、茶人、茶心、茶道、茶禪、吃茶去等,在語義遞進與涵義變化的分析研判中,明晰地得出一個結論:中國茶文化關鍵字轉換、變化的實質與核心,就是一個精神價值審美破繭蝶化的進程和過程。這個在中國歷史文化長河中非常具有獨特氣質、獨特氣韻、獨特理念和獨特哲思的文化形態,具體地以物質的形態在傳承和承載著中國文化哲學的精髓。

Language Assessment in Hong Kong Classrooms: Blessing or Curse?

10/4/2015
Prof Icy LEE
The Faculty of Education
The Chinese University of Hong Kong

Second language classroom assessment has traditionally focused on the product of learning, with the teacher playing a dominant role in providing judgment of student learning at the end of instruction. Such an approach to assessment, referred to as assessment of learning, has dominated local English classrooms. Assessment of learning serves primarily summative purposes, where scores suffice for feedback and students play a passive role in the assessment process. Such an assessment culture has caused both teachers and students to develop negative attitudes towards assessment, which is considered an enemy rather than a friend, a curse rather than a blessing. As a result of a paradigm shift in language assessment, the notion of assessment for learning came into use in the late 1980s and early 1990s, underlining the pivotal role descriptive feedback plays in the assessment process (Parr & Timperley, 2010). This approach to assessment recognizes the importance of assessment during instruction to provide teachers with information to fine-tune their teaching and to improve student learning (Black & Wiliam, 1998, 2003). More recently, the term assessment as learning has been used to emphasize the active role of the learner as the critical connector between assessment and learning (Earl, 2003, Earl & Katz, 2006), and assessment as a process of metacognition for students (Berry, 2008). With guided instruction from the teacher, students develop their capacity to reflect on, monitor and assess their own learning. As societal change has put a greater onus on students to demonstrate independent and critical thinking, assessment as learning has a crucial role to play in helping students take charge of their learning, develop learner autonomy, and better prepare themselves for tomorrow's world. This presentation will explore ways in which classroom assessment in the English classroom, through a stronger focus on assessment for and as learning, can be turned from a curse into a blessing for both teachers and students.

The Fifth International Conference on Linguistics and Language Studies (ICLLS 2019)
Date: 25 – 26 June 2019

Keynote speakers:
Prof Antony John KUNNAN
University of Macau

Prof Jonathan James WEBSTER
Director of The Halliday Centre for Intelligent Applications of Language Studies, City University of Hong Kong

Challenging the Standards and Argument Approaches and Offering an Ethical Basis for Assessment Evaluation

25/6/2019
Prof Antony John KUNNAN
University of Macau

Despite the publication and influence of the Standards for Psychological and Educational Studies (US-based APA, AERA, and NCME, 1954 to 2014), the impact on language assessment has been minimal. The main reasons could be numerous: (1) the Standards are seen as an idealized set of practices with no connection to the practical world of assessment agencies; (2) the Standards are seen as best practices developed by theoreticians and directed to researchers; (3) the Standards do not have principled reasoning behind them; they are lists of things to do; (4) the Standards did not trickle down to training and education programs in assessment.

An alternative approach, the Argument-based approach (Kane, 2012; Bachman and Palmer, 2014) to evaluation of assessments has challenged the Standards approach in the last decade. But its appeal mainly rests on using the Toulmin approach (with claims, warrants, backing, rebuttal etc.) that is used to map the argument. This approach has not received wide acceptance in terms of publications or acceptance among assessment agencies for the following reasons: (1) the approach provides a framework and graphical model with plenty of new and somewhat unclear terminology; (2) the acceptance or rejection of arguments are not clearly articulated; and (3) the approach does not relate to the assessment professionals and practitioners as it works as a top-down approach and involves only researchers.

In Kunnan (2017), I proposed a new approach that uses an ethical basis with practical assessment-related scenarios. This approach requires the use of ethical thinking by professionals and practitioners in evaluating dilemma-type scenarios with the support of ethical principles. Such an approach can be seen as a ground-up approach that can involve all practitioners not just researchers. In addition, this approach can be used in education and training programs as the scenario-based approach uses dilemmas that commonly occur in everyday assessment settings.

Why Systemic (not Systematic) Functional Linguistics?

26/6/2019
Prof Jonathan James WEBSTER
City University of Hong Kong

Perhaps because he was a language teacher turned linguist, M.A.K. Halliday maintained a perspective on language, called Systemic Functional Linguistics (SFL), which is grounded in how we actually use language to construe reality and enact social relationships.

By prioritizing the study of function over form, SFL provides the theoretical and methodological basis for investigating 'the aesthetic and functional values that differentiate one text from another, or one voice from another within the frontiers of the same text' (Halliday Collected Works, Vol. 2, chapter 6, p.187).

Only objective linguistic scholarship using the categories of the description of the language as a whole, not 'ad hoc, personal and arbitrarily selective statements', can contribute to the analysis of texts and allow for 'the comparison of each text with others, by the same and by different authors, in the same and in different genres' (Halliday [1964] 2002: 5, 6).

In SFL, the primary focus is on meaning, and how form is used to realize that meaning. Meaning means more than just the ideas expressed, i.e. more than just ideational meaning. When we speak, we also enact a social relationship with our listener(s)/reader(s). Halliday refers to this as interpersonal meaning. Finally, there is textual meaning, or how ideational and interpersonal meaning is formed into the message, whether in speech, writing, or via some other medium/modality.

Patterning in both lexis and grammar contributes to the cohesiveness of a text (i.e. its texture) rendering a coherent rhetorical structure possessing both breadth and depth (its architeXture).

Selected Publications

1. Chan, Sin-wai (2017) The Future of Translation Technology: Towards a World without Babel, London and New York: Routledge.

2. Chan, Sin-wai (tr.) (2017) The Palace Museum's Essential Collections: Chinese Antique Furniture, Hong Kong: The Commercial Press.

3. Chan, Sin-wai (tr.) (2017) The Palace Museum's Essential Collections: Chinese Jade Ware, Hong Kong: The Commercial Press.

4. Li, M. (2017). The emergence of so-complementation in Chinese Pidgin English. Eww English World-Wide. A Journal of Varieties of English, 38(1), 5–28.

5. Lee, C. W. P. (2017) Object Drop in Chinese. In Order and Structure in Syntax II: Subjecthood and Argument Structure (Open Generative Syntax). Berlin: Language Sciences Press, Edited by Laura R. Baily and Sheehan, Michelle (eds.), pp. 331-340. http://langsci-press.org/catalog/book/115

6. Hsu K.C.L. (2017)．〈論中國古典小說的「奇」評及「奇書」概念〉，載南京大學古典文獻研究所主辦：《古典文獻研究》，第十九輯下卷，2017 年 7 月，頁 117-134。

7. Boey, K. W. & Ng, H. N. (2017). Psychological health of older women in Hong Kong. Women's Health Bulletin, 4 (3) July e45104. doi: 10.5812/whb.45104.

8. Ng, H. N. & Boey, K. W. (2017). An exploratory survey of factors associate with women's sexual health. Chinese Journal of Human Sexuality, 26 (4) 149-153. [in Chinese] doi: 10.3696/j.issn.1672-1993.2017.04.049

9. Ng, A. H. N, (2017) Erectile Dysfunction Brought About by Love towards Wife: A Case Report. Global Journal of Reproductive Medicine, 1 (3), MS ID 555565.

10. Chiu, T. M. (2017). The challenges for happiness education in Hong Kong. Philosophical Practice & Counseling, vol. 7, 121 – 140.

11. Kwan, S. C. (2017). 且讓駿駒馳大漠，莫教駑馬騁沙場 – 從哲學與管理學看《人物志》. In 《經典之門》. Hong Kong: Chung Hwa Book Company.

12. Kwan, S. C. (2017). A Reader's Guide to the Myth of Sisyphus. In The Myth of Sisyphus. Hong Kong: Commercial Press.

13. Chi-Wai Lee, P. (2017). A discourse description of four fund-raising texts – Linguists meet practitioners: An exploratory study. Discourse and Interaction. https://doi.org/10.5817/di2016-2-25

14. Chan, Sin-wai (ed.) (2018) An Encyclopedia of Practical Translation and Interpreting, Hong Kong: The Chinese University Press.

15. Chan, Sin-wai (ed.) (2018) The Human Factor in Machine Translation, London and New York: Routledge.

16. Lee, P. C. W. (2018). A Study of Anaphoric Non-specific Object Drop in Cantonese: Classification and Derivation. Special issue on "The 20th International Conference on Yue Dialects". (Journal) Current Research in Chinese Linguistics. The Chinese University of Hong Kong, pp. 19-31. http://www.cuhk.edu.hk/ics/clrc/crcl_97_1/lee_chi_wai_patrick.pdf

17. Lee, P. C. W. (2018). Case Study: Analyzing Speech Acts of a Spousal Caregiver When Responding to

a Patient with Auditory Hallucination. Presented at Presented at 4th International Conference on Linguistics and Language Studies, organized by the Chartered Institute of Linguists Hong Kong Society, at Technological and Higher Education Institute of Hong Kong (THEi), 15-16 June 2018.

18. <u>Li, S. K</u>. (2018) Disappearance and Suspension -- Post-97 Hong Kong films observation and contemplation. International Journal of English: Literature, Language & Skills ,Vol.7 Issue 3 Oct 2018

19. <u>Ng, H N</u>., Boey K. W., To, H.K. (2018). Impact of process of organizational empowerment on social workers. Journal of Social Work Practice and Research, 4, 59-84. [in Chinese]

20. <u>Ng, H N</u>. & Boey K. W. (2018). A survey study on sexual dysfunction among women in Hong Kong. Formasa Journal Sexology, 24 (1), 27-49 .[in Chinese]
doi: 103966/160857872080052401002

21. <u>范旭艷</u>（2018）：〈從三教交涉視角論劉沅的氣學結構〉，《中華文化論壇》，2018 年第 8 期，頁 22-29。（中文核心期刊）

22. <u>范旭艷</u>（2018）：〈民間學人劉沅「和會三教」觀念建構——以生死議題為討論中心〉，《人文中國學報》，第 26 期，頁 197-228。

23. <u>范旭艷</u>（2018）：〈身心實功——劉沅的生命體悟與經學詮釋〉，《經學研究論叢》，第 24 輯，頁 39-70。

24. <u>范旭艷</u>（2018）：〈三教合一"背後"的議題：評魏月萍《君師道合：晚明儒者的三教合一論述》〉，《九州學林》，第 38 期，頁 167-174。

25. <u>范旭艷</u>（2018）：〈太極函三元：劉沅天道觀中的儒道融合〉，余佳韻編《承繼與創新：中國文學研究再反思青年學者會議論文集》，南京：鳳凰出版社，2018 年 6 月。

26. <u>Kwok, C.K.A</u>. (Composer), & Lau, L.B.M. (Lyricist). (2018). No! No! No!: The Hong Kong Children's Choir 50th Anniversary Children's Choral Songbook [Music Score]. Hong Kong, China: The Hong Kong Children's Choir.

27. Xie, H., Zou, D., Wong, T. L., & <u>Wang, F. L.</u> (2018). Modelling second language learners for learning task recommendation. International Journal of Innovation and Learning, 23(1). https://doi.org/10.1504/ijil.2018.088779

28. Zou, D., <u>Wang, F. L</u>., Xie, H., & Kohnke, L. (2018). Game-Based Vocabulary Learning in China and Hong Kong: Students' Evaluation of Different Word Learning APPs, Technology in Education. Innovative Solutions and Practices : Third International Conference, ICTE 2018, Hong Kong, China, January 9-11, 2018, Revised Selected Papers; 44-55; Singapore : Springer Singapore : Springer .

29. Zou, D., <u>Wang, F. L</u>., Kwan, R., & Xie, H. (2018). Investigating the Effectiveness of Vocabulary Learning Tasks from the Perspective of the Technique Feature Analysis: The Effects of Pictorial Annotations. Technology in Education. Innovative Solutions and Practices : Third International Conference, ICTE 2018, Hong Kong, China, January 9-11, 2018, Revised Selected Papers; 3-15; Singapore : Springer Singapore : Springer

30. <u>Lee, P. C. W.</u>, & Lee. (2018). A Study of Anaphoric Non-specific Object Drop in Cantonese: Classification and Derivation Journal: Current Research In Chinese Linguistics, To appear in Jan 2018, The Chinese University of Hong Kong.

31. <u>李小杰</u>《沈從文的文言與歐化體》，載吉首大學沈從文研究所編：《沈從文研究》(北京：北京聯合出版公司，2018 年 10 月)

32. <u>Chan, F. N. K.</u> (2019). Policies to Reform Religious Education in Hong Kong Catholic Schools, in Global Perspectives on Catholic Religious Education in Schools -- Volume II: Learning and Leading in a Pluralist World, Michael T. Buchanan and Adrian-Mario Gellel (eds.) Singapore: Springer Singapore, 617-628.

33. <u>Chan, Sin-wai</u> (2019) A New Comprehensive Cantonese-Putonghua-English Dictionary (《粵普英順逆序大辭典》), Hong Kong: The Commercial Press.

34. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：溫情》(Selected World Classic Short Stories: Warmth), Beijing: 中國宇航出版社 China Astronautic Publishing House.

35. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：青春》(Selected World Classic Short Stories: Youth), Beijing: 中國宇航出版社 China Astronautic Publishing House.

36. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：童心》(Selected World Classic Short Stories: Innocence), Beijing: 中國宇航出版社 China Astronautic Publishing House.

37. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：勵志》(Selected World Classic Short Stories: Inspiration), Beijing: 中國宇航出版社 China Astronautic Publishing House.

38. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：時光》(Selected World Classic Short Stories: Time), Beijing: 中國宇航出版社 China Astronautic Publishing House.

39. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：懸疑》(Selected World Classic Short Stories: Suspense), Beijing: 中國宇航出版社 China Astronautic Publishing House.

40. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：諷刺》(Selected World Classic Short Stories: Satire), Beijing: 中國宇航出版社 China Astronautic Publishing House.

41. <u>Chan, Sin-wai</u> (ed.) (2019) 《世界經典短篇小說精選：愛情》(Selected World Classic Short Stories: Love), Beijing: 中國宇航出版社 China Astronautic Publishing House.

42. Ng, W.K.V. & <u>Luk, S.Y.F.</u> (2019). Effective Tools for Pedagogical Change in Religious Education: Experience of Teachers in Hong Kong Catholic Kindergartens and Primary Schools.

43. <u>Ng, H. N</u>., & Boey, K. W. (2019). An assessment of the knowledge and attitudes towards elderly sexuality. Chinese Journal of Human Sexuality, 28 (3) (in press),
[in Chinese] doi: 10.3696/j.issn.1671672-1993.2019.03.000

44. <u>Ng, H. N.</u> (2019). Adolescents' Love, Sex, and Holistic Development. Journal of Youth Studies [in Chinese] (in press)
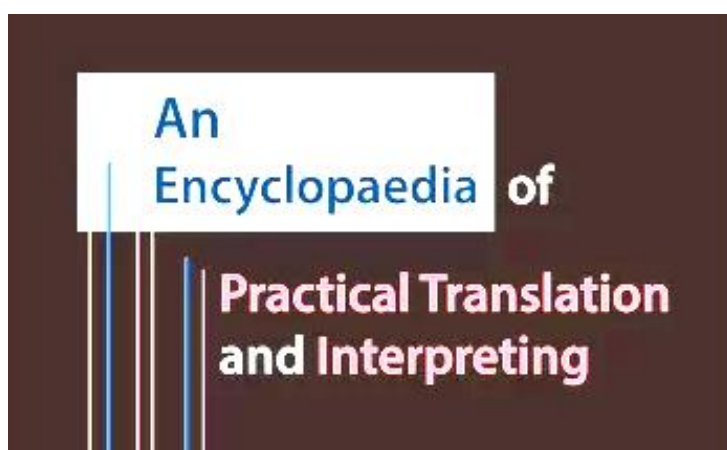
Social Sciences

Research Areas

Social service administration and social enterprise

- An evaluation of the Lump Sum Grant after 15 years
- Developing a competency model for managing work integration social enterprises in HK
- Exploratory study on the boundary of relationship between social workers and clients
- Knowledge networks in social service organizations
- Organizational career management and social worker turnover and retention in social work sector in mainland China

Information technology in social welfare sector

- A comparative study using Internet-based health technology
- Developing a socio-spatial model of social service accessibility
- Ethical challenges in cyber youth work

Programme and service Evaluation

- Incentive Scheme to further encourage CSSA recipients of the IEAPS to secure employment
- Pilot project on strengthening support for persons with autism and their parents/carers.
- Services, images, and management systems of SoCO.
- Support service for street sleepers and the underprivileged

Young people

- Mutual aid among young people with chronic illness
- The gambling behaviour of students at various education levels in Hong Kong

Elderly

- Adapting to challenges of the tenth decade of life: A mixed method study with Hong Kong near-centenarians and centenarians

Psychology

- Effect of resilience and coping strategies on suicidal ideation
- Effect of sexual arousal and emotional arousal on working memory
- Parental mental health problems across pregnancy and the outcomes on child development

Community studies

- Console gaming and social networks

Event Organized

The International Conference on Ethical Consideration of Human Services: Who Should Care?

To celebrate the 15th Anniversary, Felizberta Lo Padilla Tong School of Social Sciences organised an International Conference themed as "Ethical Consideration of Human Services: Who Should Care?" on 13-14 June 2019 in CIHE. Four renowned scholars from different places were invited to share their views towards the theme. It set the stage for participants to build up links and ties with various educational institutions and service organizations.

The International Conference on Ethical Consideration of Human Services: Who Should Care?

Practising ethically in an unethical world: Cultivating professional ethical wisdom in social work

13/6/2019
Prof Sarah BANKS
Department of Sociology
Durham University, United Kingdom

Social work is an inherently challenging profession – often working with people on the margins of society, negotiating the rough ground between care, empowerment and control. Frequently funded by the state, it is deeply entwined with policy, politics and prevailing economic and social conditions. This presentation will consider the ethical implications for social work practice of conditions of neo-liberalism, along with increasing marketisation and managerialism, and a climate of economic austerity and moral hostility to people who are financially and socially marginalised. How can social workers practise ethically in what seems to be an increasingly unethical climate? This presentation will explore the 'ethics work' that social workers do to develop themselves as good practitioners, working out the right course of action in difficult circumstances, justifying who they are and what they have done. It will consider the nature and role of 'professional ethical wisdom' and how this can be cultivated through education, supervision and critical dialogue with peers.

When organisational and professional values collide: Ethical decision making in the context of complexity

13/6/2019
Prof Donna MCAULIFFE
School of Human Services & Social Work
Griffith University, Australia

Some of the most difficult situations that human service and social work practitioners have to navigate happen in the context of tensions between organisational requirements and professional values. Organisations typically operate under a number of mandates, which demand adherence to legal parameters, socially acceptable boundaries, political imperatives and employment contracts. What a human services practitioner may feel morally obliged to do, in the best interests of their clients, may not be what is allowed or permitted under an organisational directive.

When an ensuing ethical dilemma is experienced by a practitioner, it is useful to consider an ethical decision making process that includes attention to determining accountability, considering cultural dimensions, critically reflecting on past actions, options and potential consequences, and engaging in consultation where appropriate. This presentation will consider ethical decision making in cases where human service practitioners need to advocate for clients in a sometimes hostile environment.

Social Work Professional Ethics in Chinese Society: Practice Dilemma and Recommendations

14/6/2019
Prof TSENG Hua-Yuan
Professor of Social Work
Tunghai University, Taiwan

'Human feelings', 'relationship', 'face' and 'reciprocity' are considered as the core norms of interactive relationship in Chinese society. From an ecosystem point of view, the treatment of social work clients involves the intervention of multiple systems. As far as role responsibility is concerned, the professional role of social workers is moral intervention, with statutory power to allocate welfare resources. According to western professional ethical principles, a human society will face with ethical problems, such as system conflict mediation, fair resource distribution, whistle-blowing, self-determination, use of authority and professional relationship boundary. Therefore, there is a need to strengthen the construction of professional knowledge, skills and ethical principles suitable for Chinese community; and educate students to enhance their competency in dealing with human affairs and relationship.

The Nature of Social Work Revisited: "Relationship-based", "Client-based", "Evidence-based", or "Value-based"?

14/6/2019
Prof TSUI Ming-sum
Professor & Dean, Felizberta Lo Padilla Tong School of Social Sciences
Caritas Institute of Higher Education, Hong Kong

In my presentation, I shall ask a simple but basic question: why social work? We believe that social work comes from the values, it is a part of our core values, it strive for preserving and pursuing the humanistic values, and supported by the professional values. However, when we mention about values, we need to be clear about what kinds of values that we are talking about. Are they personal, professional, organizational, social, political or spiritual values? Different values exist in the contemporary societies, but they may not be the same. Sometimes, there are tension and even conflicts with one another.

This explains why practice of social work by nature is a dynamic and complicated processes. In the processes, we need the values to be the guide for our direction and sustain our efforts. Otherwise, the means may overshadow the meaning, we shall be fully engaged with doing but forget thinking and dreaming. Without values commitment, social work professionals will become only social technocrats. The roles and functions of social workers are well-being of the people from the birth to the death. Sometimes, we may not solve the problem with our clients. However, at least, we can serve as partner to listen and help, to empower and advocate, of course, with the belief in love, self-determination, and social justice.

With a self-reflection over the practice in the past 40 years, I would like to share some of my ideas and ideal with fellow workers to revisit the base of social work practice: is social work "relationship-based", "client-based", "evidence-based", "value-based" or a mixture of all/some of these components?

Selected Publications

1. Pak, C. M., Cheung, J. C. S., & <u>Tsui, M. S.</u> (2017). Looking for social work values and ethics in the textbooks of social service administration over the past 50 years (1965-2014). Human Service Organizations: Management, Leadership & Governance, 4(2), 147-161. (Burt Gummer Award, National Network of Social Work Managers)

2. Yan, M. C., Cheung, J., <u>Tsui, M. S.</u>, & Chu, W.C. K. (2017). Examining the neoliberal discourse of accountability: The case of Hong Kong's social service sector. International Social Work, 60(4), 976-989.) (No. 1 highly cited journal article in International Social Work)

3. Liang, J., Ng, G. T., <u>Tsui, M. S.</u>, Yan, M. C., Lam, C. M. (2017). Youth unemployment: Implications for social work practice. Journal of Social Work, 17(5), 560-578. (Top article in Journal of Social Work)

4. Ballantyne, N., <u>Wong, Y. C.</u>, & Morgan. G. (2017). Human services and the fourth industrial revolution: From husITa 1987 to husITa 2016 (Editorial). Journal of Technology in Human Services, 35(1), 1-7.

5. <u>Wong Y. C.</u>, & Lee, V. W. P. (2017). Parenting methods and self-efficacy of parents in supervising children's use of mobile devices: the case of Hong Kong. Journal of Technology in Human Services, 35(1), 63-85.

6. Zhang, Y.-T., Li-Tsang, C. W. P., & <u>Au, R. K. C.</u> (2017). A systematic review on the effect of mechanical stretch on hypertrophic scars after burn injuries. Hong Kong Journal of Occupational Therapy, 29, 1–9.

7. Zhang, C., Li-Tsang, C. W. P., & <u>Au, R. K. C.</u> (2017). Robotic approaches for the rehabilitation of upper limb recovery after stroke: A systematic review and meta-analysis. International Journal of Rehabilitation Research, 40(1), 19–28.

8. <u>Chan, G. H.</u>, & Lo, T. W. (2017). The Social Censure of Hidden Youth in Hong Kong. In Social Censure and Critical Criminology (pp. 139-189). Palgrave Macmillan, London.

9. <u>Chen, W. Y.</u> (2017). Photography-Based Intervention: When the Aged Meets Digital Age. In International Symposium on Emerging Technologies for Education (pp. 311-314). Springer, Cham.

10. <u>Fung, K. Y.</u> (2017). How Economic Dependency Was Created Through the WTO: A Case Study of South Korea. Journal of Developing Societies, 33(4), 469–487.

11. <u>Tsang, K. K.</u>, & Kwong, T. L. (2017). Teachers emotions in the context of education reform: labor process theory and social constructionism. British Journal of Sociology of Education British Journal of Sociology of Education, 38(6), 841–855.

12. Wang, W.M., Cheung, C.F., <u>Leung, Z.C.S.</u>, Chan, K.H., & See-To, E.W.K. (2017). A Social Media Mining and Analysis Approach for Supporting Cyber Youth Work. International Journal of Knowledge and Systems Science, 8(2), 1-16.

13. <u>Leung, Z.C.S.</u>, Wong, S.S.K., Lit, S.W., Chan, C., Cheung, F., & Wong, P.L. (2017). Cyber Youth Work in Hong Kong - Specific and Yet the Same. International Social Work, 60(5), 1286-1300.

14. Lee, K.M., Law, K.Y. & <u>Kwok, K</u>. (2017). 1997 Handover and the Change of Integration Spirit among Chinese and South Asian Hongkongers. In Law Kam-yee (Ed.), Hong Kong Spirit in Flux: 20 Years after the Handover (pp.167-192). Hong Kong: City University of Hong Kong Press.

15. <u>Kwok, K</u>. & Law, K. Y. (2017). South Asian Small Business under the 'Lion Rock' in Hong Kong. In Cheng Yu-shek (Ed.), Hong Kong Nativism and Nativist Consciousness (pp. 282-293). Hong Kong: Contemporary China Research Project, City University of Hong Kong.

16. <u>Mo, Y. H.</u> (2017) Organisational transformation: a case study of the Chinese Mainland, China Journal of Social Work, 10:2-3, 166-181

17. <u>Wong, S</u>. (2017). Challenges Encountered by 17 Autistic Young Adults in Hong Kong. Support for Learning, 32(4), 375–386.

18. <u>Lam, C.W.</u> (林昭寰) (2017)〈香港醫療政策的發展與分析〉。佘雲楚 (編)《醫學霸權與香港醫療制度》(第三章) 香港 ： 中華書局，頁 102-130。

19. Li, Y. T., Li T., <u>Tsui, M. S.</u>, & Pak, M C. M. (2017). The panel study of social support for middle-age and elderly adults in Taiwan—Latent Growth Model. International Social Work. 61(5), 634-650.

20. <u>Tsui, M. S.</u>, Boddy, J., O'Donoghue, K., Pak, C. M. (2017). From supervision to organizational learning: A typology to integrate supervision, mentorship, consultation and coaching. British Journal of Social Work, 47(4), 1-15.

21. Boddy, J., O'Leary, P., <u>Tsui, M. S.</u>, Pak C. M., & Wang, D. C. (2017). Inspiring hope through social work practice. International Social Work, 61(4), 587-599.

22. O'Donoghue, K., Wong, P. Y. J., & <u>Tsui, M. S</u> (2017). Constructing an evidence-informed social work supervision model. European Journal of Social Work, 21(3), 348-358.

23. <u>Tsui, M. S</u>. & Cheung, F. C. H translated by Meng, Y. M. (2017) The impact of managerialism on human services. China Social Work, 7(1), 40-41. (In Chinese).

24. Synnove, K., Beddoe, E., & Ruch, G., & <u>Tsui, M. S</u>. (2017). Professional supervision and professional autonomy. In Blom B., Evertsson, L., & Perlinski, M. (Eds). Social and Caring Professions in European Welfare States: Policies, Service and Professional Practices. (pp. 53-66) Bristol, UK: Policy Press.

25. <u>Chung, Y.Y.H</u>. & Shek, D.T.L. (2017). Chinese beliefs about adversity: Their association with treatment fears among young psychotropic substance abusers in Hong Kong. International In J. Merrick (Ed.), Public health yearbook 2017(pp. 299-306). New York, NY: Nova Science Publishers.

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十個社工的勵志故事
燃燒自己，去照亮別人生命

來自凡間的天使
——十個蛻變的故事

葉子菁

協製：

Interdisciplinary Workshops

*Research Workshop on Bioinformatics (*15/6/2017)

Medical Image Retrieval in Peer-to-peer Networks

Dr CHEN Wei
Chinese Academy of Agricultural Sciences

Computed tomography is considered one of the most reliable methods in the early detection of some kinds of diseases, e.g., some cancers. Effective retrieval of computed tomography images is beneficial for computer-aided diagnosis. Due to the large amount of computational power needed for the processing of medical images, as well as the fact that medical images are often naturally distributed over hospitals, peer-to-peer data mining and information retrieval techniques can be utilized in the searching and processing of those images. In this presentation, a distributed image retrieval approach is introduced for peer-to-peer networks and applied to the medical image retrieval field. Preliminary experiments are also presented for the evaluation of the proposed method.

Big Data Analysis in Bioinformatics: A Machine Learning Perspective

Dr OUYANG Le
Shenzhen Key Laboratory of Media Information Content Security
Shenzhen University

With the advance in technologies capturing molecular and medical data, we entered the area of "Big Data" in biology and medicine. The availability of big data provides unprecedented opportunities but also raises new challenges for data mining and analysis. As high-throughput data acquisition becomes popular in biomedical research, it is timely to propose some novel approaches to mining the large-scale genomic data to find new genetic patterns. In this talk, I will first introduce key concepts in the analysis of big data, including both "machine learning" algorithms as well as "unsupervised" and "supervised" examples of each, and provide a brief overview of recent developments in big data analyses in the context of precision medicine and health informatics. Next, I will introduce our previous contributions in this area, including ensemble learning, multi-view learning, biomarkers discovery and differential network analysis.

Research Workshop on Big Data (7/7/2017)

Event Cube: a Conceptual Model for Multi-sourced Event Discovery and Analysis

Prof Qing LI
The Director of the Engineering Research Centre on Multimedia Software,
City University of Hong Kong

The publicly available data such as the massive and dynamically updated news and social media data streams (a.k.a. big data) covers the various aspects of social activities, personal views and expressions, which points to the importance of understanding and discovering the knowledge patterns underlying the big data, and the need of developing methodologies and techniques to discover real-world events from such big data, to manage and to analyze the discovered events in an efficient and elegant way.

In this talk we introduce techniques of discovering events from the multi-modal big data and building an event cube model to support event queries and analysis, by addressing the tasks of data cleansing, data fusion, event detection and modeling. Preliminary experimental results on some of the tasks will be reported.

We further explore and connect the important events discovered in a multimodal collection of inputs from various public sources, uncover their co-occurrence and track down the spatial and temporal dependency to answer the challenging questions of "how" and "why".

A novel event cube (EC) model is devised to support various queries and analysis tasks of events; such events include those discovered by techniques of untargeted event detection (UED) and targeted event detection (TED)

from multi-sourced data. More specifically, based on essential event elements of 5W1H, the EC model is developed to organize the discovered events from multiple dimensions, and to operate on the events at various levels of granularity, which facilitates analyzing and mining hidden/inherent relationships among the events effectively.

User Modeling for Big Data in Education

Dr Haoran XIE
Assistant Professor,
Department of Mathematics and Information Technology
The Education University of Hong Kong

With the rapid development of Massive Open Online Courses, open educational resources, social communities, and ubiquitous technologies in recent years, there is a fast growth of educational resources such as online platforms, course videos, web pages and documents. Practical and innovative approaches to the use of these eResources, despite of their importance, are not familiar to many people. Therefore, an effective and efficient user model, which improves learners' information literacy and learning effectiveness, is necessary for the organization of big data. In this talk, user models in domain-specific educational applications are introduced to give some insights on the research question of how to model a user in e-learning systems in the big data era.

Graphical Models for Web Mining Applications

Dr Tak-Lam WONG
Assistant Professor cum Associate Head, Department of Mathematics and Information Technology
The Education University of Hong Kong

In this talk, graphical models and its application to Web mining will be discussed. The first part presents a work for tackling Web query re-formulation via joint modeling of latent topic dependency and term context. The proposed model exploits a latent topic space, which is automatically derived from the query log, to detect semantic dependency of terms in a query and dependency among topics. The graphical model also captures the term context in the history query by skip-bigram and n-gram language models. In the second part, an unsupervised learning framework for extracting popular product attributes from product description pages originated from different E-commerce Web sites will be presented. Our proposed framework is able to not only detect popular product features from a collection of customer reviews but also map these popular features to the related product attributes. One novelty of our framework is that it can bridge the vocabulary gap between the text in product description pages and the text in customer reviews. Technically, we develop a discriminative graphical model based on hidden Conditional Random Fields. As an unsupervised model, our framework can be easily applied to a variety of new domains and Web sites without the need of labeling training samples.

Artificial Intelligence and Multimedia Big Data (27/7/2017)

Generative Adversarial Networks: A New Age of Artificial Intelligence

Mr Xudong MAO
Alibaba Group

This talk focuses on the topic about Generative Adversarial Networks (GANs). Recently, GANs have achieved great successes in various computer vision tasks including image generation, image super-resolution, and image-to-image translation. This talk will provide a comprehensive description of GANs from the theoretical foundation to the applications.   To begin with, we will describe that why GANs are worth studying. Then, the theory and framework of GANs will be introduced.   Next, we will introduce some recent works and research frontiers in GANs. Finally, several state-of-the-art applications of GANs will be presented.

Feature-preserving Surface Mesh Smoothing, Denoising and Applications in Biomedical Modeling

Dr Mingqiang WEI
Nanjing University of Aeronautics and Astronautics

3D surface meshes are widely used in computer graphics and applications. Even with state-of-the-art scanning devices, the scanned surfaces inevitably contain noise due to various sources. Noise not only degrades the visualization quality, but also causes troubles in the downstream processing. Removing noise while preserving features at various scales, as well as avoiding to introduce

additional artifacts, is a challenging task for surface mesh smoothing and denoising. In this talk, we give four promising solutions. Firstly, we propose a robust two-step approach which consists of a joint bilateral filter and a constrained global Laplacian filter. Secondly, we propose a coarse-to-fine normal filter based on a widely-accepted geometry assumption. Thirdly, we propose a bi-normal filter by taking advantage of the piecewise consistent property of two normal fields on surface meshes. Finally, we propose a conceptually simple approach that provides a united framework for not only handling artifacts (e.g. noise, staircases), but also for enabling the morphology preservation of anatomical structures of human organs.

Active Learning Under Complex Scenarios

Dr Ran WANG
Assistant Professor,
College of Mathematics and Statistics
Shenzhen University

Active Learning is a revised supervised learning scheme that adopts selective sampling manner. It addresses the interaction between Machine Learning/Data Mining algorithms and human feedbacks, reduces the human efforts for manual labeling, avoids data redundancy, and improves the computation speed of Machine Learning tools. For examples, a high-performance learner can be achieved with a small portion of the data set by querying the labels of the most representative samples and requesting the most relevant information. As a result, active learning bridges the gap between data-centric and user-centric approaches. It is a very useful methodology when there is a need to perform interactive model evaluation and model updating for both off-line and on-line applications. Active learning has been studied for many years under binary settings, where multiclass active learning is much less studied. It has also been investigated for many

years under the traditional single-instance and single-label settings, where each data point is dependent of the others and is belonging to a specific class. On one hand, these learning methods are not applicable to complex scenarios, such as multi-instance and multi-label settings. On the other hand, with the rapid expansion of existing data, there are still gaps between theoretical research and practical applications. When designing active learning methods for complex scenarios, new issues are raised, including the design of multi-instance or multi-label learners, feature selection methods, sample selection indices, stopping criteria, and performance evaluation metrics, etc. In order to adapt active learning to big data problems, methods must be able to handle data with high volumes and high-dimension, with the ability of mining useful information from increasingly large data streams. This talk will introduce some of the most recent research outputs on active learning under complex scenarios, such as multiclass active learning, multi-instance active learning, and multi-label active learning, etc. Techniques of fuzzy rough sets, kernel-based clustering, and multi-criteria decision making, etc., can all be applied to related domains. Some emerging issues, such as the design of base classifier, sample selection criteria, and performance evaluation metrics, etc., will also be discussed.

Low Complexity HEVC Encoder for Efficient Big Video Data Compression

Prof Zhaoqing PAN
Director, Multimedia Cyber Physical System Laboratory
Nanjing University of Information Science and Technology

The high definition (HD) and ultra HD videos are widely applied in multimedia applications. However, with the increased resolution of video, the volume of the raw visual information data increases significantly, which becomes a challenge for storage, processing, and transmitting the big visual data. The state-of-the-art video compression standard-high efficiency video coding (HEVC) compresses the raw big visual data efficiently, while the high compression rate comes at the cost of heavy computation load. Hence, reducing the encoding complexity becomes vital for the HEVC encoder to be used in multimedia applications. In this talk, the foundations of HEVC encoder will be firstly intro duced. Then, the video content characteristics based low complexity encoding methods will be introduced. Experimental results show that these low complexity encoding methods can efficiently reduce the computational complexity of HEVC encoder, meanwhile, the rate distortion performance degradation is negligible.

Research workshop on Educational Technology (4/8/2017)

Key to the Success of E-learning Studies - Strategies of Finding Innovative Research Topics

Prof Gwo-Jen HWANG
National Taiwan University of Science and Technology, Taiwan

Finding a good research topic is one of the most important and challenging tasks for researchers. Most papers submitted to well recognized journals are rejected owing to the lack of innovations in the studies. In this talk, I am going to present the strategies for finding innovative e-learning research topics as well as the criteria of publishing a quality paper. In addition, several authentic examples will be given to demonstrate how the value of an e-learning study can be promoted.

Research Outcome that Support Teachers Teaching and Students Learning Online

Dr Maiga CHANG
School of Computing Information and Systems
Athabasca University, Canada

The talk aims to introduce the most recent technologies that my research group has done for assisting teachers, students, researchers and schools. The technologies included in this talk are Automarking, Online Test System, In-game Card as Education Reward (ICER) Moodle plug-in, and the bridge -- Educational Resource Information Communication (ERIC) API. Automarking is a computerized marking mechanism for marking students' short-answers based on the semantic meaning of those answers. The Online Test System (OTS) is a responsive system implemented to provide teachers with end-to-end solution to streamline student assessment process as well as saving them time and efforts of preparing test items -- the system can automatically generate items, based on the knowledge map teachers created, for teachers to pick-up and form their tests. The ICER (In-game Card as Educational Reward) Moodle plug-in aims to evaluate students' performance on learning activities in Moodle and delivers them in-game items as rewards. Whenever students complete learning activities (e.g., assignments, quizzes, and discussions), the reward plug-in decides whether or not an educational reward which they can use in the game should be given according to the predefined criteria their teacher set. The ERIC API enables the integration of separate systems and enhance their interoperability while keeping any of the systems working independently like they were.

Research Workshop on Natural Language Processing for Big Data (16/8/2017)

Information Extraction from Large Scale Clinical Trial Texts

Dr Tianyong HAO
Associate Professor and Yunshan Scholar, Guangdong University of Foreign Studies

Clinical trials generate highly relevant evidences for effective disease treatments. The extraction of necessary meta information for patient characteristic aggregation from a large scale of clinical trial texts through natural language processing remains a research problem due to the complexity of the unstructured texts. By collaborating with a research group at Columbia University Medical Center based on EliXR project, our research group has made some progresses on natural language processing. This talk will briefly present our recent research on: an extensible approach for automated semantic tag mining; TEXer - temporal expression extraction and normalization; TrialSmart - personalized search of clinical trials through preference learning; clinical trial clustering by similar semantic phenotypes; Gior - a virtual population gender architecture for fast enhancing clinical trial recruitment. Particularly, we will describe Valx - a system for quantitative information extraction and normalization from clinical trial texts in detail.

Integrating Feature Weighting in Topic Models

Prof Yi CAI
South China University of Technology

Latent Dirichlet Allocation (LDA) and its variants have been widely used to discover latent topics in textual documents. However, some of topics generated by LDA may be noisy with irrelevant words scattering across these topics. We name this kind of words as topic-indiscriminate words, which tend to make topics more ambiguous and less interpretable by humans. In our work, we propose a new topic model named TWLDA, which assigns low weights to words with low topic discriminating power (ability). Our experimental results show that the proposed approach, which effectively reduces the number of topic-indiscriminate words in discovered topics, improves the effectiveness of LDA.

Seminar Series

Research Capability Enhancement

This seminar series is organized in collaboration between the Open University of Hong Kong, Centennial College and Caritas Institute of Higher Education. The series consists of eight seminars/workshops encompassing topics in research proposal writing, research skills, publishing and ethics issues.   The series is open to all institutions and the public.   The schedule of the seminars is shown in the table below:

Date	Topic	Speaker	Venue
22/1/2015	Proposal Development for Research Funding Applications	Professor Horace H. S. Ip *Vice President (Student Affairs) City University of Hong Kong*	CIHE
23/3/2015	Research Methodology Design	Dr Peter Cunich *The University of Hong Kong*	HKU
4/5/2015	Research Ethics	Professor John Bacon-Shone *The University of Hong Kong*	HKU
20/5/2015	Professional Communication Skills for Research Publication (Creating and Managing Research Space)	Professor Vija Bhatia *President, Asia-Pacific LSP and Professional Communication Association*	OUHK
7/7/2015	Writing Research Reports and Papers	Professor Qing Li *Professor, City University of Hong Kong*	CIHE
24/7/2015	Quantitative Data Analysis: SPSS and AMOS	Ms Brenda Lee *Business Manager, SBAS (Hong Kong) Ltd*	OUHK
21/8/2015	Qualitative Data Analysis with NVivo	Ms Sue Bullen *Training and Research Consultancy, Regional Manager, QSR International*	OUHK
26/10/2015	Quantitative Data Analysis with SPSS: Regression Analysis, Analysis of Variance and Non-parametric Statistics	Ms Brenda Lee *Business Manager, SBAS (Hong Kong) Ltd*	OUHK

Digital Entertainment & Toy Computing

To promote research in the strategic area of digital entertainment, a series of seminars, workshops and a student project competition & exhibition were organized in collaboration with the Open University of HongKong during the period November, 2015 – May, 2016. Renowned scholars in the area of digital entertainment from overseas and Hong Kong were invited to give the seminars. The student project was open to all students from the tertiary sector in Hong Kong. A list of events is shown in the table below:

Date	Events	Speaker
16/11/2015	Seminar: Multimedia and mobile information retrieval and management	Prof Qing LI *City University of Hong Kong, Hong Kong*
	Seminar: Towards toys computing management	Dr Patrick C.K. HUNG *University of Ontario Institute of Technology, Canada*
15/2/2016, 5/3/2016	Workshop: Arduino workshop	Dr Kai-tai TANG *Caritas Institute of Higher Education, Hong Kong*
22/2/2016	Seminar: Cyberspatial media: 3D computer graphics and audio	Prof Michael COHEN *University of Aizu, Japan*
	Seminar: Review of stereoscopic imaging media	Dr Benson Shuyan LAM *Hang Seng Management College, Hong Kong*
21/3/2016	Seminar: Recent progress on ring-type wearable devices and its application	Prof Zixue CHEN *University of Aizu, Japan*
	Seminar: Computational manga and anime: efficient production and digital migration	Prof Tien-tsun WONG *Chinese University of Hong Kong, Hong Kong*

Date	Events	Speaker
3/5/2016	Seminar: A deep learning framework for motion synthesis and editing	Dr Taku KOMURA *Edinburgh University, United Kingdom*
	Seminar: Towards better recognition of human action from analyzing live Kinect motion data and development of interactive applications	Dr Howard Wing-ho LEUNG *City University of Hong Kong, Hong Kong*
3/5/2016	Seminar: Human activity understanding from depth data	Dr Shu-lim HO *Hong Kong Baptist University, Hong Kong*
7/5/2016, 14/5/2016	Workshop: Game App Development	Mr. Stephen LEUNG *Linksolutions, Hong Kong*
21/5/2016	Workshop: 3D printing workshop	Dr Raymond Wai-man PANG *Caritas Institute of Higher Education, Hong Kong*
9-21/5/2016	Student Project Competition (Exhibition & Poster Presentation)	
21/5/2016	Seminar: Ghost in the shell realize project	Prof Masahiko INAMI *University of Tokyo, Japan*
	Seminar: Superhuman sports	Dr Takuya NOJIMA University of Electro-Communications, Japan

Selected Research Seminars

Big Data Analysis in Healthcare: theory and applications

6/10/2016
Dr Yanghui RAO
Assistant Professor, School of Data and Computer Science, Sun Yat-sen University, Guangzhou, China

The healthcare industry has generated large amounts of data, including patient data in electronic patient records, sensor data from monitoring vital signs, and patient-specific information on Twitter feeds (so-called tweets), Facebook status updates, blogs, and web pages. Although analyzing the massive amount of healthcare information is valuable to better clinical decision support and accurate predictions of disease, it requires high performance computing platforms and algorithms. By discovering associations and understanding patterns within the data effectively, big data analytics has the potential to improve care, save lives and lower costs. This talk will describe classification and clustering methods to facilitate disease diagnosis. The classical data mining algorithms, such as decision trees, Apriori, k-means along with their limitations will be summarized. The challenges and future directions of big data analytics in healthcare will also be discussed.

Learning from Uncertainty for Big Data

7/11/2016
Prof Xizhao WANG
IEEE Fellow, Big Data Institute
College of Computer Science and Software Engineering, Shenzhen University

Big data refers to the datasets that are so large that conventional database management and data analysis tools are insufficient to work with them. Big data has become a bigger-than-ever problem with the quick developments of data collection and storage technologies. Model simplification is one of the most popular approaches to big data processing. After a brief tutorial of the existing techniques of processing big data, this talk will present some key issues of learning from big data with uncertainty, focusing on the impact of handling uncertainty on the model simplification. It shows that the representation, measure, and handling of the uncertainty have a significant influence on the performance of learning from big data. Some new advances in our Big Data Institute regarding the research on big data analysis and its applications to different domains will be briefly introduced.

Research Proposals with Impact

24/11/2016
Dr Mike POOLE
Chief Editor, Armstrong-Hilton

Competition for research funding in Hong Kong is fierce, and relatively few grant proposals are successful. What sets an effective proposal apart from the many others is how it argues that the potential project matters. This 90-minute presentation will cover the three key aspects of writing such a proposal:
1. Checking that your abstract and the suggested long-term impact are convincing
2. Ensuring that your ideas and methodology are expressed clearly
3. Linking your major points so your argument is coherent

Benefiting from Armstrong-Hilton's 20 years of experience in research proposal editing, you will be taken through a series of examples showing the common problems with proposal writing and how to overcome them to improve your chance of success.
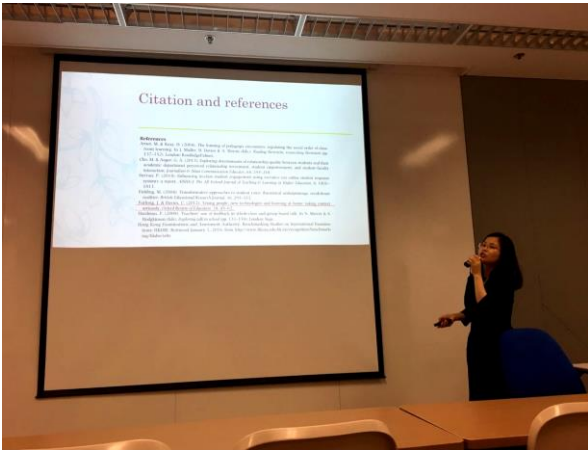
English for University Studies

8/7/2017
Dr Daisy ZOU
Teaching Fellow,
Department of English Language Education
The Education University of Hong Kong

This Talk mainly *Answers*
1. *WHAT* are the differences between English for university studies and English for daily communication?
2. *WHY* do we need English for specific purposes?
3. *WHERE* & WHEN do we use different styles of English?
4. *HOW* can we learn English more effectively and efficiently?

Interdisciplinary Research -
Challenges and Rewards

22/8/2017
Prof Horace IP
Vice-President, Student Affairs and a Chair Professor of Computer Science
City University of Hong Kong

With the increasing complexity and expanding scope for many real-world problems in areas such as environmental studies, creative media, healthcare, and education, etc., these problems may not be tackled effectively based on a single disciplinary knowledge alone. Interdisciplinary research makes use of and integrate concepts, knowledge, and practices from multiple disciplines in order to gain new insights and perspective, develop new conceptual framework and/or innovative solutions for problems that may not be achievable based on the knowledge and practice of a single discipline. Given the above understanding, it is perceived that outputs from interdisciplinary research would very often create impactful outcome. In this talk, based on the experience and projects at CityU AIMtech Centre, the motivations, issues and challenges of developing and seeking funding for interdisciplinary projects, managing the work of an interdisciplinary R&D teams, and disseminating research outputs of an interdisciplinary nature will be presented.

How Deep Learning (Artificial Intelligence) Affects Our Life

31/8/2017
Prof Francis Y. L. CHIN
IEEE Fellow

This talk will introduce the new technology of deep learning, a branch of machine learning in Artificial Intelligence. Many internet companies such as Google, Microsoft, Amazon, Baidu, eBay and Facebook are investing heavily on this new technology to improve their products and businesses, especially on speech/image recognition, searching, data analytics, robotics, self-driving vehicles and recently AlphaGo, a computer program that beat the human professional in the game of Go. The basic principles of machine learning, how computers learn, and the breakthrough in Deep learning will be explained. Deep Learning is applicable to a variety of domains and is changing our lives in many ways.

How best to prepare for a RGC/FDS Research Grant Proposal in Business?

15/9/2017
Prof CHAN Koon-hung
Emeritus Professor and formerly J.K. Lee Chair Professor and Head
of Department of Accountancy
Lingnan University

In this seminar, Professor Chan will first explain research as an art and as an investment, and review the infrastructure for doing quality research. He will then go over the format and contents of the Application Form for research grants under the Faculty Development Scheme for the local self-financing degree sector. Finally, Professor Chan will discuss the more important elements, issues and decision alternatives when submitting a research grant proposal.

How to Publish Your Research in Academic Journals

9/10/2017
Prof Phyllis MO
City University of Hong Kong

The seminar will discuss different stages of getting a research paper published in an academic journal. The main issues to be discussed include how to develop a research paper from generating a research topic to the write-up of a research paper as well as how to manage the peer review process.

Publishing Your Research in Digital Media - Challenges And Benefits

4/4/2018
Ms Annabel BLIGH
Editor, The Conversation UK

Academic researchers have a huge amount to offer the wider public. In a world of fake news and spin, there has never been a greater need for well-researched, fact-based contributions from academic experts. Not only is it important for society that researchers engage with public debates. It can also be highly beneficial for researchers to develop their communication skills, build their network and foster new research opportunities, as well as showing the value of their knowledge to society.

Achieving Methodological Rigour in Qualitative Research

24/10/2017
Dr Kwok Cho TANG
Former Coordinator Health Promotion
World Health Organization, Geneva

This seminar will present assertions that findings of qualitative research are trustworthy and transferable if the methods used are rigorous and if the facts derived from the research are representative in the concept, as opposed to representative in the number, and are proven in accordance with the standards of proof in law or science such as in particular the concept and strength of evidence. Examples will be given to demonstrate how data saturation can be achieved through a conscientious effort in data collection for example, by using theoretical sampling and identifying negative cases, and in data analysis for example by mandatory presentation of logical trees and total number of units of information. Other methods that are widely used to enhance methodological rigour will also be presented and examined, for example, the dos and don'ts of using focus groups, and the use of good practices in data collection such as use of multiple raters and establishment of audit trails, as well as good practices in data analysis such as assessment of data quality. Participants are encouraged to raise challenges that they have come across for discussion and identifying solutions.

Data Mining in Health- and Bio-Informatics

12/12/2017
Dr Debby Dan WANG
Research Fellow,
Saw Swee Hock School of Public Health
National University of Singapore

With the rapid development of computer techniques, data mining and machine learning have played an important role in multiple research areas. Especially in health- and bio-informatics, such data-driven analytics hold great potential to reveal useful patterns/correlations, identify inefficiencies, provide quality care and reduce costs. Therefore effective data mining and analytic strategies are urgently required in these studies. In this talk, we provide two data mining applications in health- and bio-informatics, to illustrate the potential of data-driven methods in these areas. First, a study of stratifying patients with chronic diseases into different expenditure and healthcare-utilization patterns (cost/length-of-stay), based on flattening and aggregating massive electronic medical records (EMRs), and profiling the patient groups is presented. Such studies can provide useful insights into the strategy-design of reducing healthcare costs and optimizing facility utilization in health systems. As the second application, pattern mining in EGFR-mutated non-small-cell lung cancer studies, based on the characterization of EGFR mutant-inhibitor interactions and the exploration of EGFR downstream signaling networks, is presented. Molecular dynamics (MD) simulations and three-dimensional (3D) structural analysis are primarily applied in these studies, and they can promote the development of personalized care and innovative drug discovery.

XBRL Research Development and an Example of FDS Grant Application

9/1/2018
Dr Maggie LIU
Tenured Associate Professor
Southern University of Science and Technology

XBRL, a recent innovation in accounting information systems, is expected to develop into a global data standard revolutionizing business financial reporting. This seminar sets out to provide a review of literature to lend insights into our understanding of XBRL value, diffusion and impact. The seminar will illustrate Dr. Liu's contributions in this field and how she obtained her FDS grant based on her research in this area.

Experience Sharing on RGC Grant Application

25/1/2018
Prof Jianliang XU
Department of Computer Science
Hong Kong Baptist University

This seminar is to share Prof Xu's personal experience on RGC grant application as a PI of 10 GRF grants and as a member of RGC/GRF Engineering Panel. Some insights and observations about research proposal preparation and evaluation will be discussed.

數據分析與公民行為的啟示---北美經驗分享

26/4/2018
主講嘉賓：方偉暉教授
前 University of Wisconsin-Milwaukee 及加拿大多倫大學資訊科技主任教授

評論人：馮玉蘭女士
港加聯會長、加拿大政治評論人

資訊科技革命對全球經濟政治領域影響深遠。互聯網和社交媒體的應用提供了大量數據用作公民行為深入的分析和預測。不同層次的數據搜集分析除可應用於商業外，也可用於公民運動和選舉工程上，協助公民組織更好地掌握民意取向和訂定合適的目標和應對策略。

From Research to Publication - Building Scholarship through Empirical Path

3/5/2018
Prof Miu-chung YAN
School of Social Work
University of British Columbia

There are many ways for scholoars to advance knowledge of their own field of studies. For social science, very often new knowledge is generated (or constructed) through systematically designed and conducted investigating process and is disseminated through peer recognized publication media. The purpose of this presentation is to examine several possible ways how social scientists engage in research and publication. The focus of this presentation will be on how to prepare an effective empirical endeavour that can generate useful information (i.e., data) for successful dissemination particularly through journal article publication.

Lunchtime Research Seminar Series (2018/19)

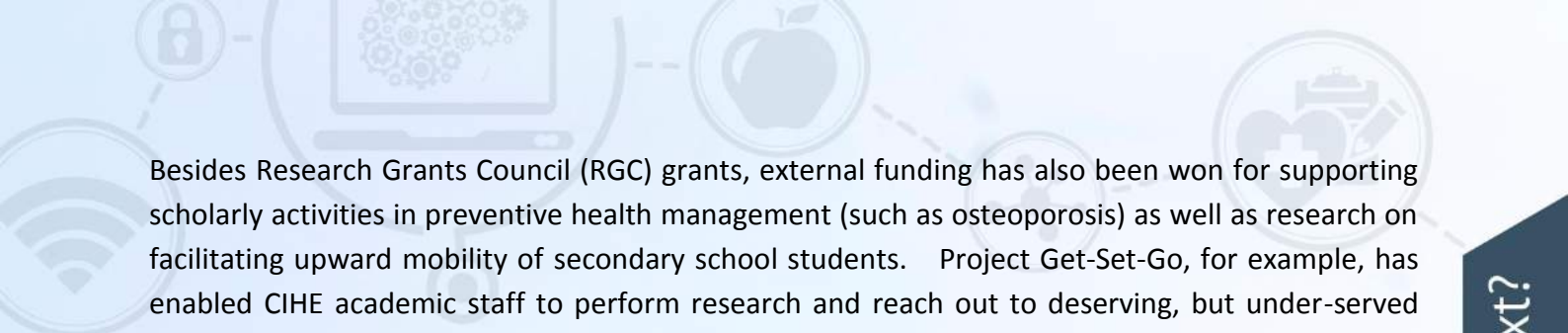|	
25/10/2018	Searching for Difference: Consumption of Immigrant Goods in Neoliberal Hong Kong *Dr Kim Kwok, School of Social Science*
	The Trajectory of Becoming a Fuller Member of the Community of Practice of the Workplace *Dr Sara Poon, School of Health Science*
8/11/2018	From out of the woods: a case of Plasmodium knowlesi malaria *Dr John Bligh, Hospital for Tropical Diseases,* *University College Hospitals, London, UK*
	The Influence of Culture on the Use of Information Technology in Learning in Hong Kong's Higher Education *Dr Eric Luk and Dr Paul Lam, School of Business and Hospitality Management*
22/11/2018	Digitizing Black-and-white Manga Books via Deep Convolutional Neural Networks *Dr Tina Liu, School of Computing and Information Sciences*
	Mirror Effects in Group Counselling Education *Dr Ho Wing Yee, School of Social Sciences*
6/12/2018	Casual Encounters and Social Network Formation in the Urban Settings: A Case Study of Older Adults in Hong Kong *Dr Fung Ka Yi, School of Social Sciences*
	Current Review of the Influence of Chinese Tradition and Catholic Church Teaching on Advance Directive *Ms. Lee Ying Ying, Healthcare Research Centre*

20/12/2018	《三國演義》中的劉備形象再議 *Dr Lawrence Hsu and Dr John Chow, School of Humanities and Languages*	
	Depth Senor-based Human Activity Monitoring in Smart Environments *Dr Jacky Chan, School of Computer Information Sciences*	
7/3/2019	An Online Reading Platform for Learning Chinese as Secondary Language for junior secondary students *Prof Ho Man Koon, School of Humanities and Languages*	
	Resilience in Nursing students *Prof Graeme Smith, School of Health Sciences*	
11/4/2019	Experience Sharing of Publishing Papers in 'Good' Journals *Dr Karen Moon, School of Business and Hospitality Management*	
	Consumer-directed care: empowerment model of community care service voucher utilisation in Hong Kong *Dr Kan Wing Shan, School Social Sciences*	

What's next?

The scope of research work has been within one of CIHE's five Schools, with little collaboration across Schools within the Institute. Over the past two years, there has been a significant enhancement of research culture and academics' research capability as well as intra- and inter-institutional collaboration. Strategically, this has helped in overcoming the limitations common to the relatively small self-financing degree awarding institutions in Hong Kong.

CIHE has Caritas – Hong Kong as the sponsoring organization and thereby can access great opportunities for collaboration in their diversified social, health and education services. We are deploying this strong network, to develop interdisciplinary research, leveraging rich data collection and field study opportunities in the 240 service units of Caritas – Hong Kong. Notable is the unique "Caritas Hong Kong Jockey Club Carers Support and Resources Centre", which is a practicum-cum-service-cum-research platform established on our campus, between CIHE and the Social Services Division of Caritas – Hong Kong.

Besides Research Grants Council (RGC) grants, external funding has also been won for supporting scholarly activities in preventive health management (such as osteoporosis) as well as research on facilitating upward mobility of secondary school students. Project Get-Set-Go, for example, has enabled CIHE academic staff to perform research and reach out to deserving, but under-served secondary students, to help those in secondary 4 to 6 prepare for future education and employment opportunities.

Integrating research, teaching and services will be our over-arching objective. We shall focus our expertise with critical mass on areas of the greatest social needs, such as community health, elderly care and special education needs, where the direct and associated programme areas of our diverse portfolio can be brought be bear on healthcare, counselling, technology, policy/social enterprise model, design, and ethics, thereby informing policy makers and professional practitioners in making decisions for better quality of life.

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2019