

RESEARCH DEGREE AND PROFESSIONAL DOCTORATE STUDENTS' RESEARCH OUTPUT (July 2009 – June 2010)

This report summarizes the research outputs of our research degree and professional doctorate students, and serves to recognize their hard work and perseverance. It also acts as a link between the University and the community, as it demonstrates the excellent research results that can benefit the development of the region.

Chow Yei Ching School of Graduate Studies
June 2011

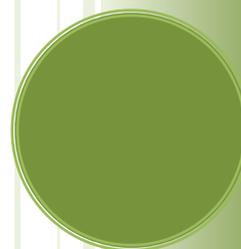


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Summary of Research Output Produced by PhD Students in 2009-2010

Departments/Schools	Number of students who have produced publications	Category of Publications						Total No. of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
College of Business								
Department of Accountancy	2	-	1	2	-	-	1	4
Department of Economics and Finance	1	-	2	-	-	-	1	3
Department of Information Systems	31	-	17	37	-	-	14	68
Department of Management	8	-	2	14	-	-	3	19
Department of Management Sciences	14	-	9	12	-	-	7	28
Department of Marketing	2	-	-	1	-	-	2	3
College of Humanities and Social Sciences								
Department of Applied Social Studies	4	-	1	2	-	-	2	5
Department of Asian and International Studies	3	-	-	4	-	-	-	4
Department of Chinese, Translation and Linguistics	21	5	11	39	-	-	4	59
Department of English	3	-	2	-	-	-	2	4
Department of Media and Communication	7	-	3	4	1	-	5	13
Department of Public and Social Administration	6	-	2	5	-	-	3	10
College of Science & Engineering								
Department of Biology and Chemistry	60	1	67	59	-	-	14	141
Department of Building and Construction	37	1	54	18	-	-	10	83
Department of Computer Science	36	-	16	44	-	-	12	72
Department of Electronic Engineering	84	5	119	62	-	-	22	208
Department of Manufacturing Engineering & Engineering Management	29	-	35	26	-	-	14	75
Department of Mathematics	30	-	36	6	-	-	12	54
Department of Physics and Materials Science	47	3	113	68	-	1	13	198
School of Creative Media								
School of Creative Media	4	-	1	1	-	-	2	4
School of Law								
School of Law	4	3	1	-	-	-	2	6
School of Energy and Environment								
School of Energy and Environment	1	-	2	-	-	-	-	2
Sub-total	434	18	494	404	1	1	145	1063

Summary of Research Output Produced by MPhil Students in 2009-2010

Departments/Schools	Number of students who have produced publications	Category of Publications						Total No. of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
College of Business								
Department of Accountancy	1	-	1	-	-	-	-	1
Department of Economics and Finance	6	-	1	-	-	-	5	6
Department of Information Systems	2	-	1	-	-	-	1	2
Department of Management	3	-	1	-	-	-	2	3
Department of Management Sciences	5	-	1	2	-	-	3	6
Department of Marketing	1	-	-	-	-	-	1	1
College of Humanities and Social Sciences								
Department of Applied Social Studies	2	3	-	2	-	-	1	6
Department of Asian and International Studies	1	-	-	-	-	-	1	1
Department of Chinese, Translation and Linguistics	4	-	-	4	-	-	1	5
Department of English	1	-	-	-	-	-	1	1
Department of Media and Communication	4	-	-	-	-	-	4	4
Department of Public and Social Administration	1	-	-	-	-	-	1	1
College of Science & Engineering								
Department of Biology and Chemistry	24	1	13	18	-	-	8	40
Department of Building and Construction	8	-	4	4	-	-	3	11
Department of Computer Science	23	-	9	21	-	-	10	40
Department of Electronic Engineering	32	-	19	24	-	-	14	57
Department of Manufacturing Engineering & Engineering Management	14	-	4	7	-	-	10	21
Department of Mathematics	6	-	3	-	-	-	6	9
Department of Physics and Materials Science	11	-	5	11	-	-	5	21
School of Creative Media								
School of Creative Media	2	-	2	-	-	-	1	3
School of Law								
School of Law	-	-	-	-	-	-	-	-
School of Energy and Environment								
School of Energy and Environment	-	-	-	-	-	-	-	-
Sub-total	151	4	64	93	-	-	78	239

Summary of Research Output Produced by Professional Doctorate Students in 2009-2010

Departments/Schools	Number of students who have produced publications	Category of Publications						Total No. of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
College of Business								
Doctor of Business Administration	5	2	1	1	-	-	2	6
College of Science & Engineering								
Engineering Doctorate (Building and Construction)	1	-	-	2	-	-	-	2
Engineering Doctorate (Engineering Management)	10	1	1	4	-	-	7	13
School of Law								
Doctor of Juridical Science	5	1	1	-	-	-	3	5
Sub-total	21	4	3	7	-	-	12	26

SECTION A: PUBLICATIONS OF PHD STUDENTS

College of Business

DEPARTMENT OF ACCOUNTANCY

Journal publications

HU Fang HU, F, YANG, S and GIACOMINO, D E, "The Influence of Foreign Operations and Their Disclosure on Earnings Quality", *International Business & Economics Research Journal*, 9(3), March 2010, pp 109-119.

Conference papers

HU Fang HU, F and LEUNG, C M S, "Appointment of Political Top Executives and Subsequent Performance and Corporate Governance: Evidence from China's Listed SOEs", *2009 Annual Meeting and Conference on Teaching and Learning in Accounting*, American Accounting Association (AAA), New York, USA, 1-5 August 2009.

HU, F and LEUNG, C M S, "Top Management Turnover, Firm Performance and Government Control: Evidence from China's Listed State-Owned Enterprises", *The Illinois International Accounting Symposium 2010*, Taiwan, 21-23 June 2010.

All other outputs

MAK Kelvin P MAK, K P, *Financial Analysts' Actions and Cost of Equity Capital*, PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 24 June 2010.

DEPARTMENT OF ECONOMICS AND FINANCE

Journal publications

CHEN Tao CHEN, T, CAI, J and HO, R Y K, "Intraday information efficiency on the Chinese equity market", *China Economic Review*, 20(3), 1 September 2009, pp 527-541, doi: 10.1016/j.chieco.2009.03.007.

CHEN, T, GENTLE, P F and UPADHYAYA, K P, "The inflation-unemployment trade-off and the significance of the interest rate: some evidence from the United Kingdom", *Banks and Bank Systems*, 5(1), 1 January 2010, pp 87-91.

All other outputs

CHEN Tao CHEN, T, *Three Essays on Market Efficiency on the Tokyo Stock Exchange: A Microstructure-level Analysis*, PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 14 September 2009.

DEPARTMENT OF INFORMATION SYSTEMS

Journal publications

- HAO Jin-xing** DU, S H, HAO, J X, KWOK, C W R and WAGNER, C J, "Can a Lean Medium Enhance Large-group Communication? Examining the Impact of Interactive Mobile Learning", *Journal of the American Society for Information Science and Technology*, June 2010, doi: 10.1002/asi.21376.
- HAO, J X, KWOK, C W R, LAU, R Y and YU, Y A, "Predicting problem-solving performance with concept maps: An information-theoretic approach", *Decision Support Systems*, 48(4), March 2010, pp 613-621, doi: 10.1016/j.dss.2009.12.001.
- IP Kwai Fun, Rachael** WAGNER, C J and IP, K F R, "Action Learning with Second Life - A Pilot Study", *Journal of Information Systems Education*, 20(2), 2009, pp 249-258.
- LAU, R Y K, IP, K F R, CHAN, M T, KWOK, C W R, WONG, W M, SO, J C F and WONG, E Y W, "Podcasting: An Internet-based Social Technology for Blended Learning", *IEEE Internet Computing*, 14(3), May-June 2010, pp 33-41.
- JIN Xiaoling** JIN, X L, CHEUNG, C M K, LEE, M K O and CHEN, H P, "How to Keep Members Using the Information in a Computer-Supported Social Network", *Computers in Human Behavior*, 25(5), September 2009, pp 1172-1181.
- JIN, X, LEE, M K O and CHEUNG, C M K, "Predicting continuance in online communities: Model development and empirical test", *Behaviour & Information Technology*, 29(4), 2010, pp 383-394, doi: 10.1080/01449290903398190.
- MARK Kai Pan** MARK, K P and VOGEL, D, "Technology Support for Engagement Retention: The Case of Backpack", *Knowledge Management & E-Learning: An International Journal (KM&EL)*, 1(3), October 2009, pp 163-179.
- WANG Shanshan** YE, K, WANG, S, YAN, J, WANG, H Q and MIAO, B, "Ontologies for crisis contagion management in financial institutions", *Journal of Information Science*, 35(5), October 2009, pp 548-562, doi: 10.1177/0165551509105194.
- YAN Jiaqi** YE, K, WANG, S, YAN, J, WANG, H Q and MIAO, B, "Ontologies for crisis contagion management in financial institutions", *Journal of Information Science*, 35(5), October 2009, pp 548-562, doi: 10.1177/0165551509105194.
- YAN, J, YE, K, WANG, H Q and HUA, Z, "Ontology of collaborative manufacturing: Alignment of service-oriented framework with service-dominant logic", *Expert Systems with Applications*, 37(3), 15 March 2010, pp 2222-2231, doi: 10.1016/j.eswa.2009.07.051.
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ZHOU Zhongyun, Phil GUO, X, VOGEL, D, ZHOU, Z P, ZHANG, X and CHEN, H, "Chaos Theory as a Lens for Interpreting Blogging", *Journal of Management Information Systems*, 26(1), Summer 2009, pp 101-127, doi: 10.2753/MIS0742-1222260105.

Conference papers

GUO Xitong ZHOU, Z P, JIN, X, VOGEL, D, GUO, X and CHEN, X, "Individual Motivations for Using Social Virtual Worlds: An Exploratory Investigation in Second Life", *Proceedings of the 43rd Hawaii International Conference on System Sciences*, Kauai, Hawaii, USA, 5-8 January 2010.

HUANG Qian MARTINSONS, M G, DAVISON, R M and HUANG, Q, "Knowledge management challenges in small professional services firms: Action research in China", *2009 Academy of Management Annual Conference*, Academy of Management, Chicago, USA, 7-11 August 2009.

IP Kwai Fun, Rachael WANG, Y, WAGNER, C J and IP, K F R, "An Empirical Investigation of the Key Factors for Refactoring Success in an Industrial Context", *Proceedings of the Fifteenth Americas Conference on Information Systems*, The Fifteenth Americas Conference on Information Systems, San Francisco, California, USA, 6-9 August 2009, p 577.

JIANG Chunping JIANG, C, LIM, K, SUN, Y and PENG, Z, "Does Content Relevance Lead to Positive Attitude toward Websites? Exploring the Role of Flow and Goal Specificity", *15th Americas Conference on Information Systems (AMCIS 2009)*, USA, 6-9 August 2009.

JIANG, C, LIM, K and SUN, Y, "Exploring Effective Advertising Strategies: The Roles of Formats, Content Relevance and Shopping Tasks on Ad Recognition", *Proceedings of the International Conference on Information Systems (ICIS 2009)*, USA, 15-18 December 2009.

JIN Xiaoling ZHANG, Z, LEE, M K O, CHEUNG, C M K, SHEN, A X, JIN, X and CHEN, H, "Exploring the moderating effect of information inconsistency in a trust-based online shopping model", *43rd Annual Hawaii International Conference on System Sciences (HICSS-43)*, Koloa, Kauai, HI, USA, 5-8 January 2010.

ZHOU, Z P, JIN, X, VOGEL, D, GUO, X and CHEN, X, "Individual Motivations for Using Social Virtual Worlds: An Exploratory Investigation in Second Life", *Proceedings of the 43rd Hawaii International Conference on System Sciences*, Kauai, Hawaii, USA, 5-8 January 2010.

KONG Siu Lung, Joseph

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LAI Hok Yin, Jean

LAI, J H Y, WANG, M and WANG, H Q, "Apply ATI to Support Adaptive e-Learning", *4th International Conference on e-Learning*, Toronto, Canada, 16-17 July 2009, pp 268-277.

LAI, J H Y, WANG, Y F and WANG, H Q, "Bayesian Network Based Multi-agent System for Target Selection Process in Hedge Fund Activism", *15th Americas Conference on Information Systems (AMCIS) 2009*, Association for Information Systems, San Francisco, California, USA, 6-9 August 2009.

LIU Yuewen

LIU, Y, WEI, K K and CHEN, H, "Pricing Strategy in Online Retailing Marketplaces of Homogeneous Goods: Should High Reputation Seller Charge More?", *15th Americas Conference on Information Systems (AMCIS 2009)*, San Francisco, CA, USA, 6-9 August 2009, pp 155-168.

LUO Chuan

LUO, C, SIA, C L, SHI, Y, YANG, J and CHEN, H, "The effects of the machine- and person-interactivity transaction information on uncertainty perception", *IEEE International Conference on Intelligent Computing and Intelligent Systems (ICIS 2009)*, Shanghai, PRC, 20-22 November 2009, pp 480-484.

MARK Kai Pan

MARK, K P and VOGEL, D, "An Exploratory Study of Personalization and Learning Systems Continuance", *Pacific Asia Conference on Information Systems (PACIS 2009)*, Association for Information Systems, Hyderabad, India, 10-12 July 2009.

REN Jimmy

REN, J, "Weighing Risk and Value for User Story Selection Using Pairwise Comparisons and Design Structure Matrix", *4th PhD Student Workshop*, Suzhou, PRC, 7-8 April 2010.

SHI Na

SHI, N, CHEUNG, C M K, LEE, M K O and CHEN, H, "Gender Differences in the Continuance of Online Social Networks", *2nd World Summit on the Knowledge Society (WSKS 2009)*, Chania, Greece, 16-18 September 2009, pp 216-225.

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SHI Yani

SIA, C L, SHI, Y, WEI, J, YANG, J, WANG, N and TAN, C H, "Leveraging Social Grouping for Organizational Endorsement in Mobile Commerce across Cultures: Transforming Outgroups into Ingroups", *9th International Conference on Mobile Business*, Athens, Greece, 13-15 June 2010.

LUO, C, SIA, C L, SHI, Y, YANG, J and CHEN, H, "The effects of the machine- and person-interactivity transaction information on uncertainty perception", *IEEE International Conference on Intelligent Computing and Intelligent Systems (ICIS 2009)*, Shanghai, PRC, 20-22 November 2009, pp 480-484.

SIA, C L, SHI, Y, YAN, J and CHEN, H, "Web Personalization to Build Trust in E-Commerce: A Design Science Approach", *International Conference on Computer, Electrical, and Systems Science, and Engineering*, World Academy of Science, Engineering and Technology, Rome, Italy, 28-30 April 2010.

THADANI Dimple Ramesh

CHEUNG, M K C, LEE, M K O and THADANI, D R, "The Impact of Positive Electronic Word-of-Mouth on Consumer Online Purchasing Decision", *World Summit on the Knowledge Society 2009*, Greece, 16-18 September 2009, pp 501-510.

TIAN Wen, Stella

TIAN, W S and TAN, F B, "Guanxi, Social Capital and Knowledge Exchange: A Cross-Dimensional View", *6th International Conference on Knowledge Management*, Hong Kong, PRC, 3-4 December 2009.

ZHANG, X, VOGEL, D, CHEN, Z, TIAN, W S and GUO, C, "Supporting Knowledge Sharing Visibility: A Qualitative Analysis", *13th Pacific Asia Conference on Information Systems (PACIS 2009)*, Hyderabad, India, 10-12 July 2009.

WANG Shanshan

XU, K, LIAO, S S, LAU, R Y K and WANG, S, "Toward Semantic Annotation for Business Analysis: A Method for Reducing Training Examples", *Proceedings of the 13th International Conference on Information Systems*, Association for Information Systems, Arizona, USA, 15-18 December 2009.

WANG Yingfeng

LAI, J H Y, WANG, Y F and WANG, H Q, "Bayesian Network Based Multi-agent System for Target Selection Process in Hedge Fund Activism", *15th Americas Conference on Information Systems (AMCIS) 2009*, Association for Information Systems, San Francisco, California, USA, 6-9 August 2009.

WEI Jie

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WEI, J, LEUNG, S C H, LEE, S C and KWOK, B, "Simulation of RFID-enabled Loading Logistics for Outbound Logistics: A Case Study in Hong Kong", *39th International Conference on Computers & Industrial Engineering (CIE-39)*, France, 6-8 July 2009.

WEI, J, LEUNG, S C H, LEE, S C and KWOK, B, "Simulation of RFID-enabled Loading Strategy for Outbound Logistics: A Case Study in Hong Kong", *International Conference on Computers and Industrial Engineering (CIE-39)*, Troyes, France, 6-8 July 2009, pp 1769-1774.

XU Kaiquan

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XU, K, LIAO, S S, LAU, R Y K and WANG, S, "Toward Semantic Annotation for Business Analysis: A Method for Reducing Training Examples", *Proceedings of the 13th International Conference on Information Systems*, Association for Information Systems, Arizona, USA, 15-18 December 2009.

YAN Jiaqi

YAN, J, SUN, S X Y, WANG, H Q and HUA, Z, "A belief-desire-intention modeling approach for inspection-oriented quality management", *19th Workshop on Information Technologies and Systems (WITS 2009)*, Association for Information Systems, Phoenix, USA, 14-15 December 2009.

YAN, J, SUN, S X Y, WANG, H Q and HUA, Z, "Ontology of collaborative supply chain for quality management", *International Conference on Computer, Electrical, Systems, Science and Engineering*, World Academy of Science, Engineering and Technology, Rome, Italy, 28-30 April 2010.

SIA, C L, SHI, Y, YAN, J and CHEN, H, "Web Personalization to Build Trust in E-Commerce: A Design Science Approach", *International Conference on Computer, Electrical, and Systems Science, and Engineering*, World Academy of Science, Engineering and Technology, Rome, Italy, 28-30 April 2010.

ZHANG Xi

ZHANG, X, VOGEL, D, CHEN, Z, TIAN, W S and GUO, C, "Supporting Knowledge Sharing Visibility: A Qualitative Analysis", *13th Pacific Asia Conference on Information Systems (PACIS 2009)*, Hyderabad, India, 10-12 July 2009.

ZHANG Zikun

ZHANG, Z, LEE, M K O, CHEUNG, C M K, SHEN, A X, JIN, X and CHEN, H, "Exploring the moderating effect of information inconsistency in a trust-based online shopping model", *43rd Annual Hawaii International Conference on System Sciences (HICSS-43)*, Koloa, Kauai, HI, USA, 5-8 January 2010.

ZHAO Jing

SUN, S X Y, ZHAO, J and WANG, H Q, "A Negotiation Based Approach for Service Composition", *5th International Conference on Design Science Research in Information Systems and Technology*, AIS, St Gallen, Switzerland, 4-5 June 2010.

ZHOU Zhongyun, Phil

ZHOU, Z P, JIN, X, VOGEL, D, GUO, X and CHEN, X, "Individual Motivations for Using Social Virtual Worlds: An Exploratory Investigation in Second Life", *Proceedings of the 43rd Hawaii International Conference on System Sciences*, Kauai, Hawaii, USA, 5-8 January 2010.

All other outputs

GUO Xitong

GUO, X, *A Data Flow Perspective for Business Process Integration*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 June 2010.

HUANG Qian

HUANG, Q, *An Exploratory Study on Buyers' Participation in Reputation Systems*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 September 2009.

JIN Xiaoling

JIN, X, *Understanding the Sustainability of Online Question Answering Communities in China: The Case of "Yahoo! Answers China"*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 25 November 2009.

Section A: Publications of PhD Students

- KWONG Chung Hang, Timothy** KWONG, T C H, *Understanding Digital Piracy Behavior of Individuals in Virtual Communities*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 25 August 2009.
- LIU Hefu** LIU, H, *The Antecedents and Outcomes of a Firm's Internet-enabled Electronic Supply Chain Integration Participation*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 30 October 2009.
- LIU Yuewen** LIU, Y, *The Effects of Reputation Systems in Online Marketplaces*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 September 2009.
- LUO Chuan** LUO, C, *The Influence of Information-seeking Strategies on Uncertainty in Electronic Commerce*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 November 2009.
- SUN Yonghong** SUN, Y H, *Decision Support Methods for R&D Project Selection*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 November 2009.
- WANG Shanshan** WANG, S, *Knowledge Driven Data Mining for Causal Relationships between News and Financial Instruments*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 14 January 2010.
- WANG Yingfeng** WANG, Y F, *Intelligent Agent Supported Conceptual Modeling and Architecture Development for Financial Decision Support Systems*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 16 April 2010.
- YE Kang** YE, K, *Knowledge Level Modeling for Systemic Risk Management in Financial Institutions*, PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 31 July 2009.
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Section A: Publications of PhD Students

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- CHEN Ruofei, Raphael** CHEN, R F, *Speech Enhancement in Car Noise Environment using Harmonic Noise Model*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 23 October 2009.
- CHENG Kin Wai** CHENG, K W, *Dye-dispersed Polymer Based Self-written Waveguide for Alignment-free Optical Interconnect*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 16 March 2010.

Section B: Publications of MPhil Students

- CHOW Chi Kin** CHOW, C K, *Realization of Long-Period Waveguide Grating Coupler*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 28 October 2009.
- HU Ping** HU, P, *Cooperative Strategies for Gaussian Parallel Relay Networks*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 10 September 2009.
- LEUNG Hon Yin** LEUNG, H Y, *Study of Digital Image Watermarking in Curvelet Domain*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 15 July 2009.
- LEUNG Wing Sze** LEUNG, W S, *Studies the Effect of Degradation in Indium Tin Oxide Thin Film on the Liquid Crystal Display Module Performance*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 6 October 2009.
- LUK Wai Tong** LUK, W T, *RFID Systems for Libraries*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 26 August 2009.
- QIN Yaxiao** QIN, Y, *An Investigation into the High Brightness Light Emitting Diodes (LEDs) System Driven by Electronic Ballast*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 28 September 2009.
- TANG Xiaogai** TANG, X, *Integrating Network Structure and Dynamic Information for Better Routing Strategies on Scale-free Networks*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2009.
- WANG Jun** WANG, J, *Multitaper Spectrum Based Detection for Spectrum Sensing in Cognitive Radio Networks*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 15 September 2009.
- WONG Man Fai** WONG, M F, *A Novel Compact Microstrip Type Composite Right/Left Handed Transmission Line (CRLHTL) and its Applications*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 24 September 2009.
- WONG Oi Ying** WONG, O Y, *Investigation of High-Frequency Performance of Micro Vacuum Dielectric Capacitors*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 15 December 2009.
- WU King Cheung** WU, K C, *Investigation on a New Type of Power Amplifier Linearization Technique - Dynamic IMD Sweetspot*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 11 February 2010.
- YIN Richard Jacob** YIN, J, *Schema Theorem for Computational Gene Transposition and Performance Analysis*, MPhil Thesis, Department of Electronic Engineering, City University of Hong Kong, Hong Kong, PRC, 5 May 2010.

DEPARTMENT OF MANUFACTURING ENGINEERING AND ENGINEERING MANAGEMENT

Journal publications

- LUO Binhui** LUO, B, SHUM, P W, ZHOU, Z F and LI, L K Y, "Preparation of hydrophobic surface on steel by patterning using laser ablation process", *Surface & Coatings Technology*, 204(8), 15 January 2010, pp 1180-1185, doi: 10.1016/j.surfcoat.2009.10.043.
- NG Chun Yu** NG, C Y and CHUAH, K B, "Evaluation of Eco Design Alternatives using Fuzzy AHP Methodology", *Design Principles and Practices: An International Journal*, 4(1), May 2010, pp 1-14.
- SO Chung Yin, Joey** CHAN, A H S and SO, J C Y, "Task factor usability ratings for different age groups writing Chinese", *Ergonomics*, 52(11), November 2009, pp 1372-1385, doi: 10.1080/00140130903147714.
- YIU Ka Lok** TAM, H Y, MOK, C K and YIU, K L, "Tool Dwell Time Computation in Computer-Controlled Surfacing Based on Constrained Optimization", *Machining Science and Technology*, 13(3), 2009, pp 356-371, doi: 10.1080/10910340903237780.

Conference papers

- CHAN Chi Ho** TSE, P W T, LI, Y E, CHAN, C H and LEUNG, T C, "Automatic Generator Health Assessment System that Embedded with Advanced Fault Diagnosis and Expert System", *2010 Prognostics and System Health Management Conference (PHM2010)*, Macau, PRC, 12-14 January 2010.
- CHAN Yiu Ting** LIU, K P L L, LUK, B L and CHAN, Y T, "Service Robot for Inspecting Exterior Gas Pipes of High Rise Buildings", *Proceedings of the World Congress on Engineering (WCE 2009)*, London, United Kingdom, 1-3 July 2009, pp 1550-1554.
- LAU Hoi Yam** LAU, H Y, LIU, K P L L, WANG, W and WONG, P P L, "Feasibility of Using GMM Based Actuators in Active Control of Journal Bearing System", *Proceedings of the World Congress on Engineering (WCE 2009)*, London, United Kingdom, 1-3 July 2009, pp 1493-1498.
- LEUNG Tsz Chung** TSE, P W T, LI, Y E, CHAN, C H and LEUNG, T C, "Automatic Generator Health Assessment System that Embedded with Advanced Fault Diagnosis and Expert System", *2010 Prognostics and System Health Management Conference (PHM2010)*, Macau, PRC, 12-14 January 2010.
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- NG, C Y and CHUAH, K B, "Evaluation of Eco Design Alternatives using Fuzzy AHP Methodology", *Proceedings of the 4th International Conference on Design Principles and Practices (Design Conference 2010)*, University of Illinois, Chicago, USA, 13-15 February 2010.
- ZHONG Guixian, Alex** DANG, C Y and ZHONG, G X, "A New Constructive Proof to the Existence of an Integer Zero Point of a Mapping with the Direction Preserving Property", *8th International Symposium on Operations Research and Its Applications (ISORA 2009)*, Asia-pacific Operations Research Society, ZhangJiaJie, PRC, 20-22 September 2009, pp 90-96.

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- CHAN Chi Ho** CHAN, C H, *Empirical Mode Decomposition Based Novel Data Compression Algorithm for Wireless Data Transmission in Machine Health Monitoring*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 10 August 2009.
- CHOW Tsz Chun, Samuel** CHOW, S T C, *Experimental Study on Stabilizing Range Extension of Diamagnetic Levitation under Modulated Magnetic Field*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 24 March 2010.
- LAU Hoi Yam** LAU, H Y, *Feasibility of Using Giant Magnetostrictive Material (GMM) Based Actuators in Active Control of Journal Bearing System*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 4 December 2009.
- LEUNG Tsz Chung** LEUNG, T C, *Automatic Retreading of Spectral Faulty Features from Defective Rolling Element Bearings by using Reassignment Wavelet and Higher Order Statistical Analysis*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 10 July 2009.
- LIU Zhaohua** LIU, Z, *Chinese MPEG-21 Rights Expression Language: Enhancing Digital Rights Management Adoption to Digital Libraries in Hong Kong*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 14 September 2009.
- LUO Binhui** LUO, B, *Preparation of Hydrophobic Surface on Steel by Patterning Using Laser Ablation Process*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 23 February 2010.
- MA Wei** MA, W, *A Deterministic Annealing Approach to the Graph Partitioning Problem*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 18 August 2009.
- SO Chung Yin, Joey** SO, J C Y, *The Effects of Different Design Factors on Comprehension Performance and Subjective Evaluation for Reading Chinese on LED Display*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 5 November 2009.
- TANG Yuen Ting** TANG, Y T, *Development of Competitive Pricing Game for Logistics Service*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 28 July 2009.
- XU Yufeng** XU, Y, *Fabrication of Nanocomposite Ti-Al-Si-N Films Deposited by Reactive Unbalanced Magnetron Sputtering and their Properties-modification by High-energy Carbon Ion Implantation*, MPhil Thesis, Department of Manufacturing Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 12 August 2009.

DEPARTMENT OF MATHEMATICS

Journal publications

- LI Shaojie** LI, S and LU, Y Y, "Accurate Multipole Analysis for Leaky Microcavities in Two-Dimensional Photonic Crystals", *IEEE Photonics Technology Letters*, 22(2), 15 January 2010, pp 94-96, doi: 10.1109/LPT.2009.2036446.
- LI, S and LU, Y Y, "Efficient method for analyzing leaky cavities in two-dimensional photonic crystals", *Journal of the Optical Society of America B-Optical Physics*, 26(12), December 2009, pp 2427-2433.
- LI, S and LU, Y Y, "Efficient Method for Computing Leaky Modes in Two-Dimensional Photonic Crystal Waveguides", *Journal of Lightwave Technology*, 28(6), 15 March 2010, pp 978-983, doi: 10.1109/JLT.2009.2035062.

All other outputs

- CHENG Chi Honn** CHENG, C H, *LP - Stability of Solutions to Boltzmann Equation with External Forcing*, MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 14 July 2009.
- CHEUNG Nga Yan** CHEUNG, N Y, *A Model for Language Emergence and Change*, MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 16 July 2009.
- HUANG Chi** HUANG, C, *Synchronization Analysis of Polytopic Complex Dynamical Network*, MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 25 November 2009.
- LI Buyang** LI, B, *Numerical Approximations to Hypersingular Integrals and Applications*, MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 17 August 2009.
- LI Shaojie** LI, S, *Computing Photonic Crystal Waveguide and Cavity Modes Using Dirichlet-to-Neumann Maps*, MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 24 August 2009.
- ZHAO Yulong** ZHAO, Y, *Learning with Trigonometric Polynomials*, MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 28 August 2009.

- WONG Pang Wai** LAW, Y L, WONG, P W and YU, K N, "Influence of catechins on bystander responses in CHO cells induced by alpha-particle irradiation", Prague, Czech Republic, April - May 2010, pp 726-729, (Proceedings of the 7th International Topical Meeting on Industrial Radiation and Radioisotope Measurement Application (IRRMA-7)).
- WONG, P W, LAW, Y L, TSE, A K W, FONG, W F and YU, K N, "Influence of Magnolol on the bystander effect induced by alpha-particle irradiation", *Applied Radiation and Isotopes*, 68(4-5), Prague, Czech Republic, April - May 2010, pp 718-721, (Proceedings of the 7th International Topical Meeting on Industrial Radiation and Radioisotope Measurement Application (IRRMA-7)).
- WONG, P W, TSE, A K W, FONG, W F and YU, K N, "Studying effects of Magnolol on alpha-particle induced bystander effects using PADC-film based dishes", *Radiation Measurements*, 44(9-10), Bologna, Italy, October - November 2009, pp 1081-1084, (Proceedings of the 24th International Conference on Nuclear Tracks in Solids).
- YAN Ce** KUTSAY, O, GARASHCHENKO, V V, YAN, C, WANG, H, LIU, C, JHA, S K, STARIK, S P, ZAPIEN, J A, ZHANG, W J, BELLO, I, GONTAR, A G, NOVIKOV, N V and LEE, S T, "Optical vibrational properties of boron nitride allotropes", *4th International Conference on New Diamond and Nano Carbons (NDNC 2010)*, Suzhou, PRC, 16-20 May 2010.
- YUM Hoi Wa** YUM, H W, CHOI, W Y, NIKEZIC, D, LI, W T V, CHENG, S H and YU, K N, "Alpha-particle-induced bystander effects between zebrafish embryos *in vivo*", 44(9-10), Bologna, Italy, October - November 2009, pp 1077-1080, (Proceedings of the 24th International Conference on Nuclear Tracks in Solids).
- YUM, H W, LI, W T V, CHOI, W Y, CHENG, S H and YU, K N, "Effects of alpha particles on zebrafish embryos", *Applied Radiation and Isotopes*, 68(4-5), Prague, Czech Republic, April - May 2010, pp 714-717, (Proceedings of the 7th International Topical Meeting on Industrial Radiation and Radioisotope Measurement Application (IRRMA-7)).
- All other outputs*
- AU-YEUNG Yee Man** AU-YEUNG, Y M, *The effect of a river delta and coastal roughness variation on a landfalling tropical cyclone (三角洲和沿海粗糙度變化對登陸熱帶氣旋的影響)*, MPhil Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 20 July 2009.
- CHEUNG Wing Sze** CHEUNG, W S, *Studies of ZnO Nanostructure-Based Dye Sensitized Solar Cells (DSSCs)*, MPhil Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 11 May 2010.
- CHIU Kwok Shing** CHIU, K S, *Multi-model Statistical-Dynamical Seasonal Forecast of Landfalling Tropical Cyclones in the United States*, MPhil Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 10 July 2009.
- LIU Ka Yi** LIU, K Y, *Characterization and Tribological Studies of Rail Top Materials*, MPhil Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 17 July 2009.
- YUM Hoi Wa** YUM, H W, *Effects of Alpha Particles on Zebrafish Embryos *in vivo**, MPhil Thesis, Department of Physics and Materials Science, City University of Hong Kong, Hong Kong, PRC, 10 December 2009.

School of Creative Media

SCHOOL OF CREATIVE MEDIA

Journal publications

CAO Xiaoqin ZENG, J, CAO, X, ZHAO, H and YAN, H, "Finding human promoter groups based on DNA physical properties", *Physical Review E*, 80(4), 14 October 2009, pp 041917-1-041917-8, doi: 10.1103/PhysRevE.80.041917.

CAO, X, ZENG, J and YAN, H, "Physical signals for protein-DNA recognition", *Physical Biology*, 6(3), 2009, doi: 10.1088/1478-3975/6/3/036012.

All other outputs

**YANG Meiyuan,
Sakura** YANG, S M, *Changing Representations of Contemporary Mainland Women in Hong Kong Cinema: 1979-2009*, MPhil Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 30 March 2010.

Section C: Publications of Professional Doctorate Students

College of Business

DOCTOR OF BUSINESS ADMINISTRATION

Scholarly books, monographs and chapters

CHAN Fung Cheung WONG, M C S and CHAN, F C, “Disparity of USD Interbank Interest Rates in Hong Kong and Singapore: Is There Any Arbitrage Opportunity?” *Handbook of Trading: Strategies for Navigating and Profiting from Currency, Bond, and Stock Markets* (edited by Greg N. Gregoriou), New York: McGraw-Hill Professional, 2010.

WONG, M C S, FUNG, F C and Others, *Banking Services and Professional Ethics*, Wiley and Hong Kong Institute of Bankers, 2010.

Journal publications

CHAN Chun Tung John CHAN, C T J, "基於 CBBE 視角的品牌年輕化研究: 以品牌個性和品牌忠誠為視角", *Chinese Journal of Management*, Vol. 6 No., 7 July 2009, pp 972-977.

Conference papers

WAN Sai Chuen Kelvin WAN, S C K, MA, L C K and BANERJEE, P, “The Importance of Project Manager’s Soft Competence on IT Project Success: An Exploratory Study in the Banking Context”, *Proceedings of the 4th International Research Workshop on Information Technology Project Management (IRWITPM)*, Phoenix, Arizona, 14 December 2009, p.115-126.

All other outputs

CHAN Kwok On Carlson CHAN, K O C, *Wealth Management Services in PRC: An Empirical Study of Taiwanese Banks*, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, May 2010.

LIU Ming David LIU, M D, *Case Studies on Successful M&A in Acer and Lenovo: A Dynamic Capabilities Perspective*, DBA Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, June 2010.

College of Science and Engineering

ENGINEERING DOCTORATE (BUILDING & CONSTRUCTION)

Conference papers

- WONG Man Tat** LAM, H F, WONG, M T and KEEFE, R M, Detection of Ballast Damage by In-situ Vibration Measurement of Sleepers, *2nd International Symposium on Computational Mechanics (ISCM II)*, 30 November - 3 December 2009, Hong Kong and Macau.
- LAM, H F, WONG, M T and KEEFE, R M, Detection of Ballast Damage by In-Situ Vibration Measurement of Concrete Sleepers, *Proceedings of the 14th Annual Conference of Hong Kong Society of Theoretical and Applied Mechanics 2009/2010*, 13 March 2010, Hong Kong, p. 55.

ENGINEERING DOCTORATE (ENGINEERING MANAGEMENT)

Scholarly books, monographs and chapters

- NG Pin** NG, P and FUNG, R Y K, “Application of Formal Concept Analysis in Model-Based Testing”, *Advances in Software Engineering*, T.H. Kim, W.C. Fang, C.H. Lee, and K.P. Arnet (eds.), CCIS, vol.30, Springer Berlin Heidelberg, November 2009, pp 110–123.

Journal publications

- NG Pin** NG, P, FUNG, R Y K, and KONG, R W M, “Incremental Model-based Test Suite Reduction with Formal Concept Analysis”, *Journal of Information Processing System*, ISSN 1976-913X, vol.6, no.2, June 2010, pp 197–208.

Conference papers

- CHAI Sunny** CHAI, S and LAU, A K W, The Impact of Modular Design and Innovation on Company Performance, *The XXI ISPIM Conference 2010*, Bilbao, Spain, 6-9 June, 2010.
- CHAI, S and LAU, A K W, The Impact of Innovation Management Techniques on Product Innovation Performance: An Empirical Study in Hong Kong Electronics and Electrical Appliances Industry, *The 5th IEEE International Conference on Management of Innovation and Technology*, Singapore, 2-5 June 2010.
- FUNG Walter** FUNG, W S L and FUNG, R Y K, "An inter-organizational community of practice for information security", *NISS 2010: 4th International Conference on New Trends in Information Science and Service Science*, Gyeongju, Korea (South), 11-13 May 2010.
- NG Pin** NG, P and FUNG, R Y K, “An Incremental Approach for Model-based Test Suite Reduction Using Formal Concept Analysis”, *Proceedings of the 4th International Conference on Ubiquitous Information Technologies & Applications (ICUT '09)*, Fukuoka, Japan, 20-22 December 2009.

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- CHAN Tung Wah
Keynes** CHAN, T W K, *A Study of Impact Assessment of Utility Facility Enquiry for Road Excavation Work*, EngD Thesis, Department of Manufacturing Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, January 2010.
- CHUI Chi Lung** CHUI, C L, *Development and Application of a New Product Screening Model for the Electronic Component Distribution Industry in China*, EngD Thesis, Department of Manufacturing Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, March 2010.
- LAI Kim Hung** LAI, K H, *The Development of Quality Management System Based Information Security Management (QISM) Implementation Model*, EngD Thesis, MEEM Dept, City University of Hong Kong, Hong Kong, PRC, December 2009.
- LEE Yiu Man** LEE, Y M, *A Sociotechnical System Approach for Enhancing the Dynamic Capabilities of an Organisation: a Participatory Action Research in the Manufacturing Industry in Mainland China*, EngD Thesis, Department of Manufacturing Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, October 2009.
- LEUNG Siu Hong** LEUNG, S H, *A Comprehensive and Practical Innovation Management Assessment Model for Manufacturing Companies in Hong Kong/China*, EngD Thesis, Department of Manufacturing Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, September 2009.
- LIU Tak Wing** LIU, T W, *An Audit Model for Intellectual Property Management Excellence*, EngD Thesis, Department of Manufacturing Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, September 2009.
- TANG Wah Hau** TANG, W H, *Knowledge Management Solution for Railway Construction*, EngD Thesis, Department of Manufacturing Engineering & Engineering Management, City University of Hong Kong, Hong Kong, PRC, August 2009.

School of Law

DOCTOR OF JURIDICAL SCIENCE

Scholarly books, monographs and chapters

NG Magnum Yu Wai NG, M Y W, “Evidence in Arbitration: The Law and Practice on Taking of Evidence in International Arbitration Proceedings: An Eclectic Approach of Common Law and Civil Law Systems”, *VDM Verlag*, Germany, 11 August 2009.

Journal publications

DENG Tingting DENG, T T, “The Fair and Equitable Treatment Standard of Foreign Investment and International Minimum Standard of Treatment”, *Hunan Social Sciences*, no.6, 2009, pp.201-204.

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WAN Charn Wing WAN, C W, *The Political Economy of Digital Copyright in Hong Kong*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, August 2009.

SUI Ping SUI, P, *Regulation of Related Party Transaction of Financial Institutions in China*, JSD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, September 2009.

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