

ComputerScience

Department

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香港浸會大學
HONG KONG BAPTIST UNIVERSITY

The New MSc Programme in Information Technology Management

The MSc Programme in Information Technology Management

The Department offers a new MSc Programme in Information Technology (IT) commencing September 2005. The course aims to develop IT managers and professionals who possess technical and management knowledge for designing and managing IT systems. The course focuses on IT Management with emphases on both the technological and managerial sides. On completion of this course, students will acquire:

1. the current knowledge in three main areas of IT management namely, IT enterprise management, knowledge and information management, and Internet and Web technologies.
2. the technical knowledge to design, develop and manage IT systems.
3. the management knowledge to lead and manage IT projects
4. the sense and creativity of identifying business needs and the capability of transforming them into

IT requirements.

5. the learning capability for sustainable self-development in the rapidly changing IT field.

Applicants seeking admission to the MSc in Information Technology Management course should normally:

- (a) possess a Bachelor's degree in science, engineering, business or other relevant fields from a recognized university or comparable institution or a qualification deemed to be equivalent; and
- (b) be proficient in English. Applicants not using English as the medium of learning in their Bachelor's degree course are required to provide evidence of good English proficiency (e.g., they have taken English proficiency subjects in the universities, or obtained satisfactory results in TOEFL or the College English Test in the Mainland).

For exceptional cases in which applicants have other qualifications but substantial experience in information technology, the Course Team will consider the suitability of these applicants based on individual

merits and interviews.

Students can select full-time or part-time study mode for this course. The normal study period for full-time and part-time mode is one year and two years respectively. Students are required to attend classes on weekday evenings or Saturdays.

For more information, please visit the website at

<http://www.comp.hkbu.edu.hk/msc>.



Events and Activities

The Centre for e-Transformation Research (CTR) Organised its First International Conference with Great Success

The development of e-commerce/e-business, since the dot.com era, has gradually migrated from solely e-technology driven to a more matured status where enterprises leverage on both new opportunities brought by advanced e-technologies and unique e-commerce/e-business strategies for the objectives including operational cost saving and value-adding services provision. The more seamlessly people expect the new generation e-applications to support e-business activities, the deeper and more sophisticated penetration of e-technologies into business processes will be required, leading to eventually more radical transformation of the underlying processes (commonly called e-Transformation).

The Centre for e-Transformation Research (CTR) of the Computer Science Department organised the “2005 IEEE International Conference on E-Technology, E-Commerce and E-Service”(EEE’05). EEE’05 is sponsored by IEEE Computer Society Technical Committee on e-Commerce, Hong Kong Baptist University and National ICT Australia Limited. The conference was held from 29 March to 1 April 2005 at Hong Kong Baptist University. The EEE’05 gathered more than 150 experts from North America, Europe, Asia, and so forth, to address issues related to emerging e-Technologies and their applications to e-Commerce and e-Service. Speakers were IT leaders in their respective fields, including Professor Katia Sycara from Carnegie Mellon University, Dr. David Cohn - Director of Business Informatics at IBM’s T.J. Watson Research Centre. Professor Wen Gao – Chair of the Audio

Video Coding Standard Working Group of China. Mr. Howard Dickson – Government Information Officer of Government of HKSAR gave an opening address. The program of this event included panel discussions on trendy IT areas

like RFID applications in supply chain and data mining in finance, workshops on mobile commerce and business service network, as well as tutorials and technical presentation sessions on cutting-edge e-Technologies and their applications. Details are available at <http://www.comp.hkbu.edu.hk/~eee05>.



Partnership between the Academic and Industry on Information & Communications Technology – The ICT Expo 2005



Like the past consecutive years, the Computer Science Department of HKBU actively participated in the International ICT (Information & Communications Technology) Expo 2005, which was held at the Hong Kong Convention & Exhibition Centre on 14-17 April 2005. This year, the Expo focused on information technology and software applications, which brought together hundreds of exhibitors from around the world within ten theme zones. Together with the ICT Expo, there were a comprehensive range of thematic seminars including an International Conference inviting renowned speakers from overseas to share their market experience and technology trends. For more information, please visit the official website at <http://ictexpo.com>.

The Second Postgraduate Research Symposium (PG Day)

The Department has initiated and launched the HKBU-CSD Postgraduate Research Symposium (PG Day). The purpose is to enhance the research atmosphere and share the research experience and ideas among postgraduate students.

Following the big success of the first Postgraduate Day in January 2005, the second PG Day was successfully held on 4 July 2005. It featured an invited talk by Prof. Charles Ling on how to write and publish research papers. The main program consisted of three sessions of presentations from the PhD and MPhil students. It covered a variety of research topics, including

Mobile Positioning, Sensor network, Data Mining, Web Intelligence, Pattern Recognition, and so forth. Both Faculty members and students have actively participated in this event.

In this symposium, Mr. Minji Wu, supervised by Dr. Jianliang Xu, won both the best paper and the best presentation award. His paper entitled "Monitoring Top-k Query in Wireless Sensor Networks" proposed a novel monitoring approach to the top-k query in wireless sensor network. The details can be found at <http://www.comp.hkbu.edu.hk/~pgday>.



The 11th IEEE International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA2005) – 17-19 August 2005



With close to 150 participants, RTCSA 2005 was a big success. It is an event organized and co-sponsored by our department, IEEE Computer Society, and IEEE Hong Kong Section Computer Chapter. And the conference was held at the Langham Hotel at Tsim Sha Tsui from 17-19 August 2005.

RTCSA started as a workshop back in 1994, became a conference in 1998 and the technical program had been improving steadily. This year, RTCSA becomes an IEEE conference and we have opened up the conference to 4 tracks, real-time computing, ubiquitous computing, embedded computing tracks, as well as an industrial track. Thanks to the conference Publicities, we received 144 full



paper submissions, a record-breaking number, from 21

countries and regions including Australia, Austria, Brazil, Canada, China, Finland, France, Germany, Great Britain, Hong Kong, India, Iran, Japan, Korea, Macau, Portugal, Singapore, Sweden, Taiwan, Tunisia, and USA.

We were delighted to have 2



well-known keynote speakers:

Prof. Hideyuki Tokuda from Keio University, Japan and Prof. Ching-Chi Hsu from the Institute for Information Industry of Taiwan to deliver to us two keynote lectures with the one given by Prof. Tokuda

also being an IEEE CS Distinguished Visitor Lecture opened to the public and academics in Hong Kong. We were also glad to have the conference program included 8 invited papers presented by key researchers and developers of big projects with high impacts from different regions including USA, China, Hong Kong, Japan, Korea and Taiwan. Together with the conference banquet and a local tour to the Peak and Stanley market, it was an enjoyable and successful event in the summer of 2005.



The 2005 IEEE/WIC/ACM International Conference on Web Intelligence (WI 2005) and The 2005 IEEE/WIC/ACM International Conference and The 2005 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT 2005), 19-22 September, 2005, France



Web Intelligence (WI) has been recognized as a new direction for scientific research and development to explore the fundamental roles as well as practical impacts of Artificial Intelligence (AI) (e.g., knowledge representation, planning, knowledge discovery and data mining, intelligent agents, and social network intelligence) and advanced Information Technology (IT) (e.g., wireless networks, ubiquitous devices, social networks, wisdom Web, and data/knowledge grids) on the next generation oWeb-empowered products, systems, services, and activities. It is one of the most important as well as promising IT research fields in the era of Web and agent intelligence. Following the great successes of WI'01 held in Maebashi City, Japan , WI'03 held in Halifax, Canada, and WI'04 held in Beijing, China. WI 2005 provides a leading international forum for researchers and practitioners (1) to present the

state-of-the-art of WI technologies; (2) to examine performance characteristics of various approaches in Web-based intelligent information technology; and (3) to cross-fertilize ideas on the development of Web-based intelligent information systems among different domains. By idea-sharing and discussions on the underlying foundations and the enabling technologies of Web intelligence, WI 2005 will capture current important developments of new models, new methodologies and new tools for building a variety of embodiments of Web-based intelligent information systems.



On the other hand, IAT 2005 provides a leading international forum to bring together researchers and practitioners from diverse fields, such as computer science, information technology, business, education, human factors, systems engineering, and robotics, to (1) examine the design principles and performance characteristics of various approaches in intelligent agent technology; and (2) increase the cross-fertilization of ideas on the development of autonomous agents



and multi-agent systems among different domains. By encouraging idea-sharing and discussions on the underlying logical, cognitive, physical, and sociological foundations as well as the enabling technologies of intelligent agents, IAT 2005 will foster the development of novel paradigms and advanced solutions in agent-based computing.

Awards

Prof. Y.Y. Tang Received Long Service Award 2005

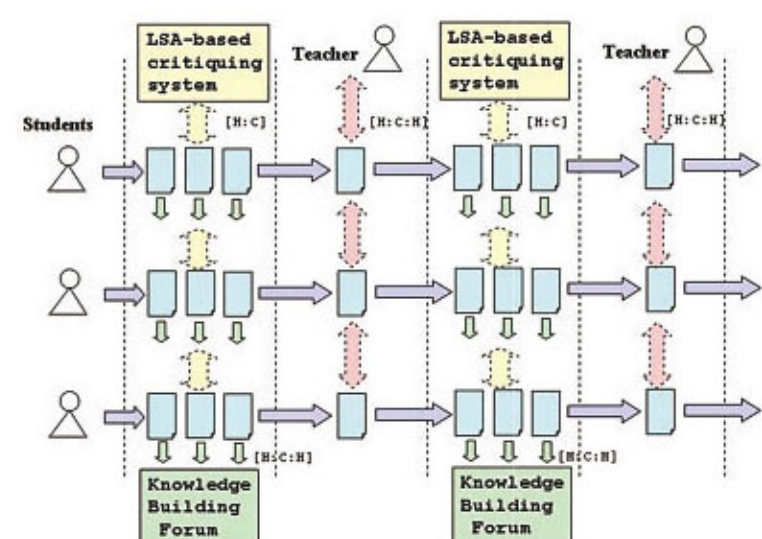
Professor Yuan-yan Tang, who has greatly contributed to the University and the Department of Computer Science for 10 years, received the Long Service Award in the Thanksgiving Service held on 1 March 2005. The Service, participated by staff, students, alumni, Court and Council members, also commemorated the 49th Anniversary of the University.



Best Paper Award Conferred at ICWL 2005

A joint research team including members from HKBU's Computer Science Department, Intermedia of Univeristy of Oslo and HKBU's Language Centre won the

best paper award at 2005 International Conference on Web-Based Learning (ICWL 2005) for their paper "Grounding Collaborative Knowledge Building in Semantics-Based Critiquing". The objective is to investigate the integration of semantic-based critiquing and knowledge building for creating a collaborative e-learning environment to support English composition. This research project is supported by Centre for e-Transformation Research, HKBU.



Distinction Award Received in IiTEC 2005 & Certificate of Merit of Post-Secondary Category of the 7th IT Excellence awards

The outstanding undergraduate honours project from Computer Science Department: "Providing Location-Based Services at HKBU Library" by Man-chung Yeung, under the supervision of Prof. Joseph Ng, was awarded the prize of Distinction Award in Intervarsity Internet Technologies Exposition and Conference 2005 (IiTEC 2005) held on 23 July 2005.

This project was also awarded "The 7th IT Excellence Awards with Certificate of Merit (Post-Secondary)" by Hong Kong Computer Society on 19 October 2005.



New Faces

Dr. Ben K.M. SIM, Associate Professor
BSc (Hons) (Ottawa, ON, Canada), MSc, PhD (Calgary, AB, Canada)



Ben K.M. Sim is an Associate Editor and a Guest Editor of many international journals. He is an Associate Editor of the IEEE Transactions on Systems, Man, and Cybernetics, Part C since 2004 and an Editorial board member of the International Journal of Hybrid Intelligent Systems (IOS Press) since 2005. As the sole Guest Editor, he single-handedly managed and coordinated the review processes for three special journal issues on (i) game-theoretic analysis and stochastic simulation of negotiation agents (IEEE Transactions on SMC), (ii) learning approaches for negotiation agents (International Journal of Intelligent Systems (Wiley)), and (iii) Agent-based Grid Computing, (Applied Intelligence Journal (Kluwer)). Prior to joining HKBU, he was an associate professor at the Department of Information Engineering, Chinese University of Hong Kong, and a senior faculty at Academia Sinica (Taiwan's leading research institute). In addition to serving as area chair, session chair and PC

member for many international conferences, and supervising over 20 researchers/students regionally, he is also a referee for many national research grant councils, including NSF in USA, RGC in HK, and ASTAR in Singapore.

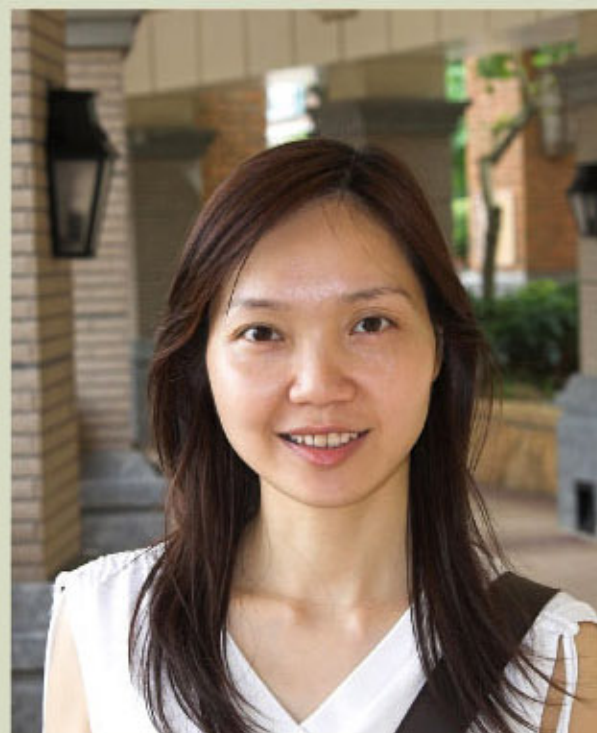
Dr. Jian FENG, Lecturer



Dr. Feng received her Ph.D. degree in Electrical Engineering from the University of New South Wales, Australia. Before joining Hong Kong Baptist University, Dr. Feng was with the City University of Hong Kong. Her current research interests include digital video

processing, multimedia communications, Internet applications, digital watermarking, video transmission and storage system. Dr. Feng is active in research and has published over 70 technical papers in various refereed journals and conference proceedings.

Dr. Fion S.L. LEE, Lecturer



Dr. Fion Lee received her Ph.D. degree in Information Systems at the City University of Hong Kong. She received her MPhil degree in Industrial Engineering and Engineering Management from The Hong Kong University of Science and Technology. Her research interests include behaviour in the virtual community, community informatics, collaborative learning, and knowledge management.

Departmental Scholarship

Short-Term Development Scholarship for Postgraduate Student

The Center for e-Transformation Research (CTR) offers the Postgraduate Student Research Travel Grant to encourage research students to present papers in top international conferences and to participate in overseas research exchanges. The details of the grant and the application form can be found at the CTR's homepage <http://www.comp.hkbu.edu.hk/~ctr/research/grant.html>.

Postgraduate Research Scholarship

Commencing from September 1, 2005, the Department has introduced Postgraduate Research Scholarship. The objective is to recognize postgraduate students who have achieved performance excellence in postgraduate research. The amount of the scholarship is initially set at HK\$5,000 with the quota up to two. This scholarship will be awarded once a year.

Details can be found at <http://www.comp.hkbu.edu.hk/en/postgrad>.

Elite Program Scholarship

This Elite Program is developed for intensive and advanced training of our Department students who are more academically oriented and talented. The intention is to provide an additional learning environment for extended and expanded learning via participation in faculty research and/or application development.

Student Participation – Qualified students are expected to participate full time in the summer months. They are required to work on a supervised research or application development project. They are expected to work diligently and have good initiative in the pursuit of knowledge.

Continuation / Termination – At the end of the summer, an evaluation will be made. The Department will make decisions at the end of a working period if students desire to continue.

Student Benefits – Participating students may expect an environment of learning. There will be a close working relationship with a faculty member and/or his/her research team. There will be regular exposure to other on-going research. Students will also be encouraged and supported to extend oneself in their own academic interests whenever possible. Office space and equipment will be provided. At the end of a period of work, a record (certificate or others) of successful completion will be presented.

Application Procedure – Students will be invited to apply. They should write to explain their motivation and expectation of the participation. Potential students will be interviewed for admission to the program. Only exceptionally qualified (academically) and motivated students will be considered.

In this year, two students: Mr. King-for Lee, and Mr. Wai-kit Cheng have been admitted to the Elite Program.

Upcoming Major Events

Date(s) of Event	Event
15-19 December 2005	2005 International Conference on Computational Intelligence and Security (CIS'05) Xian, China URL: http://www.comp.hkbu.edu.hk/~cis05 .
20-24 August 2006	The 18th International Conference on Pattern Recognition 2006 (ICPR'06) Hong Kong Convention and Exhibition Centre, URL: http://www.comp.hkbu.edu.hk/~icpr06 .
18-22 December 2006	The joint conference of 1. The 2006 IEEE International Conference on Data Mining (ICDM'06) 2. The 2006 IEEE/WIC/ACM International Conference on Web Intelligence (WI'06) 3. The 2006 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'06) Hong Kong Convention and Exhibition Centre, URL: http://www.comp.hkbu.edu.hk/iwi06 .

JOBs: Faculty Positions in Computer Science Department
HEAD OF THE DEPARTMENT / PROFESSOR / ASSOCIATE PROFESSOR / VISITING PROFESSOR
For details, please visit our web pages at <http://www.comp.hkbu.edu.hk/en/about/?content=jobs>, or <http://www.hkbu.edu.hk/~pers/job>.
Closing Date: 28 February 2006 (or until the positions are filled)