



香港浸會大學
HONG KONG BAPTIST UNIVERSITY



Department of Computer Science
香港浸會大學

Departmental Achievements

Awards

IBM Champion University Award

We are delighted that our Department has won the **"Champion University Award"** in the **IBM DB2 UDB Inter-University Programming Contest** held on 16 February 2008. It is also pleased that the 3-member team, consisting of Year 1 students, **Rui Du, Shen Gao** and **Shucong Meng** won the 1st Runner-Up Award among 27 teams from local universities.

The contest aims to strengthen students' capability regarding the DB2 database management system. Each team consists of three students and each university can send up to five teams to participate in the contest. The team which scores the most points, with the earliest submission time, wins. The Champion University Award goes to the university with the most points scored among all its teams. Our University fielded a total of 5 student teams for the contest this year and scored approximately 320 points to win the overall Champion University Award.

Second-class Award in National Challenge Cup Competition

Mr. **Tong Tat Ming**, a fresh graduate of our Department, won the **second-class award** in the **National Challenge Cup Competition** held in Tianjin, China in November 2007. With participation of six outstanding students altogether, **HKBU achieves the 2nd place overall among the Hong Kong universities in the Competition.**

Mr. Tong Tat Ming (left), won the second-class award in the National Challenge Cup Competition



Recent News and Events

Publication of Department Profile

An updated version of the Department Profile has been published. It contains up-to-date information on our **academic staff's profile, research activities, programme characteristics**, as well as our **state-of-the-art lab facilities**. Besides browsing on the department website at <http://www.comp.hkbu.edu.hk/en/about/profile/CS-profile08.pdf>, you are most welcome to obtain a hard copy from us by sending an email to comp@comp.hkbu.edu.hk.



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Scholarships

In addition to the scholarships/financial support by the University, our Department has launched several Scholarship/Award Schemes for both undergraduate and postgraduate students:

Undergraduate Programmes

- BSc (Hons) in Computer Science
- BSc (Hons) in Computing Studies (Information Systems)

Entrance Scholarship	Target Year 1 students admitted via JUPAS Criteria <ul style="list-style-type: none"> - based on HKALE, HKCEE results and interview performance; - to qualify for scholarship interview, the student should select one of the above programmes in Band A
Outstanding Student Scholarship	Target Year 1 students Criteria <ul style="list-style-type: none"> - semester GPA of 3.4 or above with no grades below C for the given semester; - enrolment of at least 15 units
Service Learning Award	Target Years 1 and 2 students Criteria <ul style="list-style-type: none"> - cumulative GPA of 2.5 or above at the time of application; - actively involve and serve in different departmental activities; - submit a service report by the end of the year

Postgraduate Research Programme

MPhil or PhD Programme

Postgraduate Research Scholarship	Target MPhil or PhD students Criteria <ul style="list-style-type: none"> - based on academic performance and nomination by supervisors
Excellent TA Award	Target MPhil or PhD students Criteria <ul style="list-style-type: none"> - based on staff and students' evaluation
TA Award	Target MPhil or PhD students Criteria <ul style="list-style-type: none"> - based on staff and students' evaluation
Financial Support	Target MPhil or PhD students Criteria <ul style="list-style-type: none"> - top-up support for overseas attachment or research related expenses

Postgraduate Taught Programme

MSc in Information Technology Management

Entrance Scholarship	Target Freshmen Criteria <ul style="list-style-type: none"> - based on excellent academic records in their undergraduate studies
Distinction Scholarship	Target Current students Criteria <ul style="list-style-type: none"> - Semester GPA of 3.70 or above; - no grade lower than B-; and - number of MSc (ITM) units taken is not less than that in the normal study schedule
Merit Scholarship	Target Current students Criteria <ul style="list-style-type: none"> - semester GPA of 3.40-3.69; and - number of MSc (ITM) units taken is not less than that in the normal study schedule
Financial Support	Target Newly admitted MSc ITM students who graduated from degree programmes of HKBU

7th Postgraduate Research Symposium

Prof. Xindong Wu (right) presents a keynote speech in PG Day

Our postgraduate students have participated actively at the 7th Postgraduate Research Symposium (PG Day) held on 10 January 2008, to share their experience and ideas on a variety of research topics, including mobile positioning, sensor network, data mining, web intelligence, and pattern recognition. The bi-annual PG Day serves to enhance the research atmosphere among postgraduate students of the Department and is well supported by all academic staff.

Prof. Xindong Wu, University of Vermont and Hong Kong Polytechnic University, was invited to present a keynote talk on **Top-10 Algorithms in Data Mining**.

The **Best Presentation Award** went to **Mr. Cheng Chi Wa**, and **Mr. Liu Chang** was presented the **Best Paper Award** for his paper "Moving Object Detection Based on Information Theoretic Spatio-Temporal Saliency".

Mr. Liu Chang,
winner of the Best Paper Award

Mr. Cheng Chi Wa,
winner of the Best
Presentation Award

Visit to Science Park

A group of 49 undergraduate and MSc students, together with 8 staff, visited the Hong Kong Science and Technology Park (HKSTP) on 29 January 2008. They were introduced to the operation of the Science Park and the internship/placement/permanent positions there. A tour of the park facilities gave all participants a taste of their entrepreneurial environment, where many startup companies are nourished.

A group photo in the Science Park

Departmental Retreat

A Departmental Retreat was organized on 5 February 2008 with the participation of all academic and supporting staff. There were open exchanges and brainstorming of views, forward looking to the "3+3+4" academic reform with particular reference to teaching, research and system support.

Our faculties participate in the Departmental Retreat

First-year Student Programming Contest

More than forty first-year students took part in the First-year Student Programming Contest on 12 April 2008. The programming contest provides an alternative way for our students to learn computer programming for problem solving and to facilitate them to learn better programming skills via peer-group collaboration.

The winners of Programming Contest

Outstanding Student Scholarships and Peer Tutors Recognition Presentation Ceremony

Five students (**Gao Shen**, **Li Qian**, **Meng Shucong**, **Tang Chao** and **Tsui Ho Yan**) were awarded the **Outstanding Student Scholarships** for their excellent academic performance in the First Semester of 2007-08 at the Presentation Ceremony held on 12 April 2008. The opportunity was also taken to recognize the Peer Tutors for their great efforts in nurturing the new students in the First Semester. **Lo King Yeung** and **Law Wing Lap** were elected as the **Most Popular Tutors**.

Our Most Popular Tutors

International ICT Expo 2008

Our Department participated in the International ICT Expo 2008 at the Hong Kong Convention and Exhibition Centre on 14-17 April 2008, and showcased the work of our Centre for e-Transformation Research, Research Centre for Ubiquitous Computing and the "Face Biometric Data Security" project.

Organized by the Hong Kong Trade Development Council, the major exhibit categories of the ICT Expo 2008 focus on the following eight areas:

- Network & Mobility
- Enterprise Solutions
- E-Logistics & Retail Technologies
- Open Source & Embedded Software
- Home-grown Innovations
- Digital Living & Multimedia
- IT Outsourcing
- Trade Related Services

Alumni Homecoming Day

Warmest welcome was expressed to a number of alumni who returned to visit their alma mater Department on 26 April 2008, to meet their teachers, share with the current students and tour the lab facilities, followed by a delicious Reunion Dinner of well over 300 participants at the Renfrew Seafood Restaurant, during which fond memories of the old days were shared.



IT Forum 2008

The Department has invited distinguished industry leaders to deliver a series of talks on various aspects of the IT profession and share their insights on the development trends of the IT industry. The talks were well attended by both staff and students.

**JAN
29**

Mr. Bernard Fung

Senior Vice President, Tradelink Electronic Commerce Ltd.

**Digital Trade & Transportation Network (DTN) -
The Digital Express Link to Your Business Partners Worldwide**



Mr. Bernard Fung

**FEB
19**

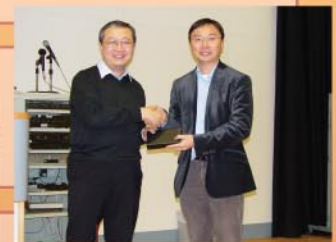
Mr. Hua Wang

Vice President, SAP Labs, China

**From "Made in China" to "Invented in China"
- Globalization to Innovation**



Mr. Hua Wang



Mr. Simon H.Y. Chan (left)

**FEB
26**

Prof. Y.B. Yeung

Experienced IT Professional

Successful IT Leadership in Hong Kong



Prof. Y.B. Yeung (left)



Mr. William Currie (right)

**MAR
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Mr. Simon H.Y. Chan

SOA Architect, IBM Software Group, Greater China

SOA for Business Innovation

**MAR
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Mr. William Currie

Regional Head of IT, Group Systems,

Hong Kong and Shanghai Banking Corporation Ltd.

Information Technology in the 21st Century

Colloquia/Seminars (January to May 2008)

JAN 10 Prof. Xindong Wu
University of Vermont, USA and Hong Kong Polytechnic University
Top-10 Algorithms in Data Mining

JAN 30 Dr. Yang Wang
Robotics Institute of Carnegie Mellon University
High Resolution Acquisition, Tracking and Animation of Dynamic Facial Expressions

JAN 30 Dr. Wendy Hui
Zayed University
Estimating the Number of Genuine and Fraudulent Clicks in the Pay-Per-Click Model

FEB 26 Dr. Patrick Lee
Columbia University
Achieving Network Robustness with Diversity Overlay Routing

FEB 26 Dr. Hong Cheng
University of Illinois at Urbana-Champaign
**Towards Accurate and Efficient Classification:
A Discriminative and Frequent Pattern-based Approach**

MAR 4 Dr. Chong-Wah Ngo
City University of Hong Kong
Using Ontology and Semantic Detectors for Concept-based Video Search

MAR 6 Ms. Bo Xiao
University of British Columbia
Product-Related B2C E-Commerce Deception: Formation, Outcomes, and Detection

MAR 12 Prof. Zhi-Hua Zhou
Nanjing University
Advances in Co-training Style Semi-supervised Learning

APR 8 Mr. Xin Li
Stony Brook University
Shape Mapping Framework for Graphics and Visual Computing

APR 25 Mr. Xiaokui Xiao
Chinese University of Hong Kong
Transparent Anonymization: Thwarting Adversaries who Know the Algorithm

APR 25 Dr. Yung H. Tsin
University of Windsor
Two New Linear-time Algorithms for 3-Edge-Connectivity

MAY 2 Dr. Haibo Hu
Hong Kong Baptist University
**Securing Your Privacy in Insecure Mobile and Ubiquitous Contexts –
Safeguards beyond Cryptography**

MAY 5 Dr. Man Lung Yiu
Aalborg University
**Managing the Trade-Offs Among Location Privacy, Query Performance,
and Query Accuracy in Mobile Services**

MAY 30 Prof. Nick Cercone
York University
Finding Best Evidence for Evidence-based Best Practice Recommendations in Health Care

for
Information
Search

數碼轉型研究

Department of

Staff News

Retirement

We bid farewell to **Dr. Stephen Chan**, Associate Professor, after his dedicated service in the University for almost 20 years. Before joining the Computer Science Department in September 1992, Dr. Chan had served as the Deputy Academic Registrar in 1990-92 and Head of the Management Information Unit in 1989-90. Best wishes for a happy retirement!

Teaching Development Grants

Two Teaching Developments Grants were recently awarded to:

Dr. Kelvin Wong [PI] and **Dr. William Cheung, Dr. Guoping Qiu** and **Dr. Joe Yau** [Co-Is]

on "Development of Major-specific Contents for the IT Portfolio Course"; and

Dr. Jianliang Xu

on "Web-based Tutoring for Enhancing Teaching and Learning of Database Systems"

MSc in IT Management

Entrance Scholarship

The MSc in IT Management Programme has introduced a new Entrance Scholarship Scheme starting the 2008/09 intake. Freshmen with excellent academic records in their undergraduate studies will be eligible for consideration of an **Entrance Scholarship of up to HK\$10,000 depending on their academic records.**

For details, please visit: <http://www.comp.hkbu.edu.hk/msc/itm/en/>

Tuition Fee Reduction for HKBU Alumni

To encourage and support our alumni for further studies, a **reduction of 20% in tuition fee** will be provided to the newly admitted MSc ITM students who graduated from degree programmes of our University.

Scholarship Presentation Ceremony for MSc in IT Management

Congratulations to the following recipients:

Distinction Scholarship:

- | | |
|---------------|-----------------|
| ■ Tam Man Yu | ■ Kwan Chi Fai |
| ■ Li Chi Ming | ■ Pong Kwok Wai |
| ■ Lee Wai Chu | |

Merit Scholarship:

- | | |
|----------------------|-------------------|
| ■ Tang Yukun | ■ Tai Yui Keung |
| ■ Huang Zhongjie | ■ Wong Pui Shan |
| ■ Han Sheng | ■ Ng Pui Yan Ivy |
| ■ Li Kin Man | ■ Wong Chi Fai |
| ■ Lai Wilson | ■ Leung Cheuk Hon |
| ■ Li Cheong Chi Joey | ■ Chow Kok Po |



Our MSc (ITM) students awarded with scholarships

Their outstanding academic performance was recognized at the Scholarship Presentation Ceremony held on 2 February 2008, during which the Head of Department, Prof. Jiming Liu, presented a certificate and prize to each of them.

Students' Sharing

By the End of the First Year, ...

Gao Shen

Year 1 Student

BSc (Hons) Computing Studies (Information Systems) Programme

It is a great chance for me to study in Hong Kong Baptist University.

The two years' living in Hong Kong Baptist University is a wonderful time for me. What impressed me most is the close relationship between the teachers and the students. I can always benefit a lot from the interactions with my teachers. I believe that the professors and the Department are trying their best to provide us a better study environment. I am not being taught, I am taking the initiative to learn.

Studying in Hong Kong provides me with a lot of chances; for example, in the coming summer vacation, I can choose to join an internship, conduct summer research and also participate in other study tour organized by the University. And I can even go to UK for exchange in the coming semester. Here at HKBU, I never worry about my future, because I know it suits me.

I believe I can realize my dream in Hong Kong Baptist University!



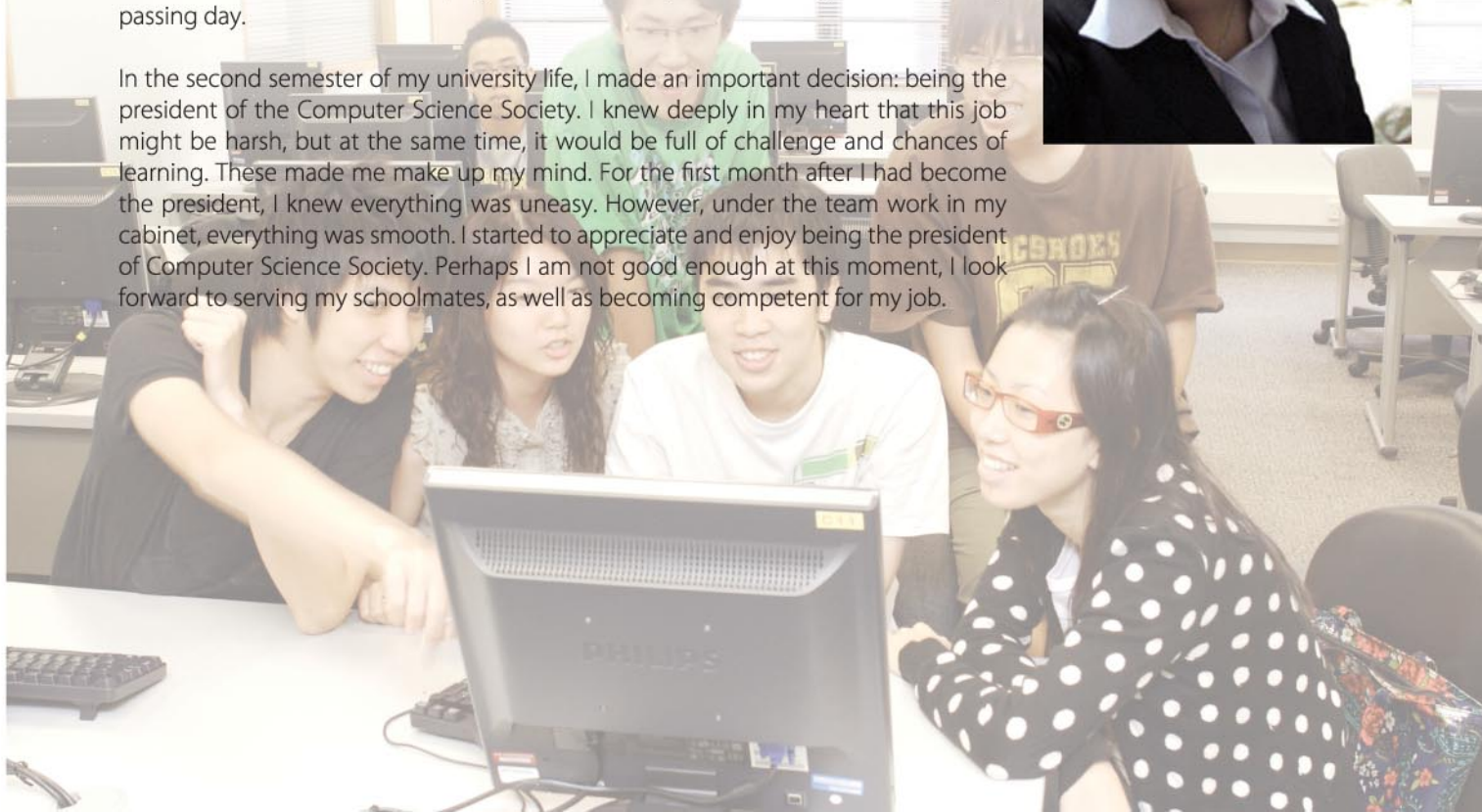
Tang Yui Kwan, Queenie

Year 1 Student

BSc (Hons) Computing Studies (Information Systems) Programme

I felt glorified when I had my first lesson in Hong Kong Baptist University. Until now, I can still recall how hard I study before my A-level examination; so I told myself that I will never give up my studies even though I was not familiar with what I was going to learn. As I was an art student, computer science was completely new to me. Amazingly, I felt every day a new challenge rather than suffering. From zero knowledge about programming, I can now create a mini computer game by myself! With these little achievements, my interest in computer science grows with every passing day.

In the second semester of my university life, I made an important decision: being the president of the Computer Science Society. I knew deeply in my heart that this job might be harsh, but at the same time, it would be full of challenge and chances of learning. These made me make up my mind. For the first month after I had become the president, I knew everything was uneasy. However, under the team work in my cabinet, everything was smooth. I started to appreciate and enjoy being the president of Computer Science Society. Perhaps I am not good enough at this moment, I look forward to serving my schoolmates, as well as becoming competent for my job.





Tang Chao

Year 1 Student

BSc (Hons) in Computer Science Programme

Now comes to the end of the 2nd semester of my Year 1 study.

Last year I was at the foundation programme specially designed for mainland China freshmen, during which we adapted to the study and living in Hong Kong. I still remember watching drama in the HK Cultural Center which is part of the holistic education of our University, and the field research about the development of the old Kai Tak Airport, a project about Hong Kong society. In addition, I still keep contact with my local host family who takes care of me frequently; I also remember and appreciate the dinners with my host family and the Christmas concert in KCBC.

This year I am a CS year 1 student. What I feel is a little heavier work load when studying the core courses. However I still have enthusiasm on what I choose. I still remember the happiness when our teams won the Champion University Award of the IBM DB2 Programming Contest. In my view, this success is due to our Department's care to the students, in addition to the support through the peer mentor and peer tutor programmes, the friendly and hard-working professors and TAs, the advanced computers in the labs, the kind-hearted classmates whom I always interact with and so on.

I am still longing for the summer programming workshop and the final year project, which provide students with plenty of practical hands-on and applications of what they learnt so that we can be well prepared for job-seeking or research after graduation.



Tsui Ho Yan

Year 1 Student

BSc (Hons) in Computer Science Programme

It is almost the end of my Year 1 University life. Having no background in computer programming and pure mathematics in secondary school, I thought that it must be difficult to pick up this Programme at first. However, after studying this Programme for nearly a whole year, I realize that not only science student can perform well in academic achievement, but also the arts student. There were some supplementary lessons teaching programming and algebra in the first semester of Year 1. They have given me a general idea of how they work and allow me to apply this technique into the courses later on. Also, we are divided into some mentoring groups and each group is assigned with a professor in our Department. It shortens the distance between us and our professors. I think that the professors in HKBU are so helpful that they are always willing to answer students' questions and clarify our misunderstanding after classes.

Both practical and theoretical materials are taught in the core courses. Beside the core courses, the design of this Programme also allows us to take many elective courses. This increases our flexibility in choosing other courses that we are interested in.

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