香港中文大學
The Chinese University of Hong Kong

工程學院
Faculty of Engineering

ANNUAL AWARDS PRESENTATION

MARCH 23, 2013

The Chinese University of Hong Kong
Faculty of Engineering

Awards Presentation Ceremony

March 23, 2013 (Saturday)

T.Y. Wong Hall
5/F Ho Sin Hang Engineering Building

Order of Ceremonial

10:30 a.m.	
Welcome Speech	Professor WONG Ching Ping *Dean of Engineering* *The Chinese University of Hong Kong*
10:35 a.m.	
Address by the Guest of Honour	Miss Janet WONG *Commissioner for Innovation and Technology* *The Government of the Hong Kong Special Administrative Region*
10:50 a.m.	
Presentation of Awards:	
• Dean's Exemplary Teaching Awards	Presented by Miss Janet WONG
• Outstanding Tutors Awards	Presented by Miss Janet WONG
• Research Excellence Award	Presented by Miss Janet WONG
• Outstanding Thesis Awards	Presented by Miss Janet WONG
• Faculty Service Awards	Presented by Miss Janet WONG
• Dean's List for M.Sc. Graduates	Presented by Professor WONG Ching Ping
• Dean's List for Undergraduate Students	Presented by Professor WONG Ching Ping
11:45 a.m.	
Tea Reception	

Words from the Dean

Congratulations to all faculty award winners! I am most delighted and proud to see that there are so many outstanding teachers, staff and students in the Faculty of Engineering. I believe the families and friends of our award winners also share my joy and pride in attending this award presentation ceremony. Let me extend my warmest congratulations to every friend and family member of our award winners.

Since its establishment in 1991, the Faculty has always placed strong emphasis on quality teaching and cutting edge research, which are vital to our continued success. Without our outstanding teachers and tutors, the Faculty would not have produced countless brilliant, high-flying graduates. Likewise, without our top-notch researchers, the Faculty would not have attained such excellent international reputation we have today. I am pleased about the success we have today and at the same time eager that the Faculty could move beyond its 20 years of excellence. University education is more than simply acquiring knowledge and skills, but also developing a life-long learning attitude. I hope each of our students and faculty members would keep on learning, exploring, and contributing to the development of our big engineering family.

It is our honour to have invited Miss Janet Wong to our Awards Presentation Ceremony this year. Miss Wong will share with us her experiences and successful story, which I believe would be valuable reference and inspiration to us all. Let me give my sincere thanks to Miss Wong, extend my warmest congratulations once again to the awardees, and wish everyone great success in the years to come.

C.P. Wong
Dean of Engineering

Profile of Guest of Honour

Miss Wong Wing Chen Janet
王榮珍女士

Miss Janet Wong assumed her present post as the Commissioner for Innovation and Technology in September 2009 responsible for the formulation and implementation of policies pertaining to innovation and technology, a new pillar industry in Hong Kong.

Miss Wong joined the Civil Service as an Administrative Officer in 1980. Over the years, she has served in various bureaux and departments, including the Independent Commission Against Corruption, Food and Environmental Hygiene Department, Education and Manpower Bureau and Home Affairs Department. In 2004 Miss Wong was appointed to be the Head of the World Trade Organisation Sixth Ministerial Conference Coordination Office. In 2006 she took up the post of Deputy Secretary (Works) in the former Environment, Transport and Works Bureau which became the Development Bureau upon the re-organisation of the Government Secretariat in July 2007. She was then responsible for the Government's Capital Works Programme and heritage matters.

Innovation and Technology Commission
The Government of the Hong Kong Special Administrative Region

Dean's Exemplary Teaching Awards 2012

Dr. WONG Tsz Yeung (黃子洋)

Computer Science & Engineering Department

"Every student carries a smile after every lecture" is Dr. T.Y. Wong's teaching philosophy. Dr. Wong strongly believes that it is the teacher's responsibility to deliver contents in a clear and interesting way. In his classroom, Dr. Wong spends lots of efforts to excite students with simulating and interesting examples. Dr. Wong thinks that he successfully fulfilled his goal: students always find his lectures useful and are fun to attend. Outside classroom, Dr. Wong always reaches his students. He believes that "understanding your students" is a part of his teaching. He always joins students' communities, and he enjoys his moments with his students. Last but not least, Dr. Wong is very grateful to the support from his department, colleagues, and his family.

Professor YUNG Pun To, Douglas (榮本道)

Electronic Engineering Department

Douglas is a strong advocate on hands-on experiences in education. He has noticed a discordance among engineering education, theory, and practice. So, in his freshman introductory courses, he adopts a problem-based and inquiry-based approach, and introduces weekly laboratory sessions to accompany lectures. While these pedagogies bridge some of the gaps, Douglas thinks he is not making a strong enough impact to transform students from receivers to inquirers and to take their learning experience from classroom to life. The best laid plan is none other than bringing research into classroom to let students take their own lead in learning and think out of the box. Students are nurtured inductively in a culture in which discovery, creativity and innovation are highly valued. They are confronted with open-ended, knotty interdisciplinary and imperfectly defined problems. They are introduced to a full suite of research process by performing literature search, identifying the knowledge gap, drafting hypotheses, designing experiments, and finally defending their conclusions. The ideal embodied in this teaching-learning-research nexus has successfully induced more than 10 BME freshmen to engage in various research projects in the past semester. Douglas is also pleased to receive several research proposals from the freshmen out of their own initiatives.

Professor LEE Tong, Tony (李東)

Information Engineering Department

Tony teaches for many reasons, but his primary one is that education is the way that society perpetuates itself. It is fair and logical to state that, after the family, the school is the most essential aspect of a person's life until he or she becomes a working adult. This places an immense responsibility on the teacher, who has the potential to have a profound and permanent impact on the students in his or her charge.

Whatever subject Tony teaches, his primary task is to enlighten. The ability to impart knowledge and command respect is the essential qualification for all teachers. Tony uses his classroom as a combination lecture hall and theatrical stage, and endeavor to make every class he teaches both a lesson and a performance. Thus, his teaching and learning process will become more of a joy and less of a chore.

Recently, two major trends have changed the way that teachers teach and learn because of the internet. These two trends are the explosion of information and the emergence of community created content. In this internet-connected world, Tony expects that his values and integrity will help students to make appropriate decisions when reading or sharing knowledge, while maintaining their curiosity and expanding their interests.

Dr. LI Yiyang (李奕陽)

Mechanical & Automation Engineering Department

In Dr. Li's mind, a good teacher, to the best of his/her capability, should care about students' learning, and encourage students to think independently. Dr. Li's career has been committed to providing the best quality of education to his students, and devoting his every effort to help them growing. Both inside and outside the classroom, he utilizes all appropriate circumstances to share extensive knowledge and explain the abstract theories to help students obtain better understanding. Not only does he share professional knowledge but also personal experience and perspective with his students. Therefore, his students are aware of different paths which they could follow in their future endeavours. Interactive communication, in Dr. Li's opinion, is the essential point between students and him. Therefore he pays special attention to enhance the interaction and also the cooperation among students, by means of small class instruction, group discussion and collaborative mini-project. This student-oriented perspective does improve the quality of instruction, and at the same time, yield joyful teamwork, confidence and critical thinking abilities among students. He always regards cultivating the youth as his greatest reward especially when he sees the achievements of his students.

Professor ZHOU Xiang, Sean (周翔)

Systems Engineering & Engineering Management Department

Sean is a dedicated teacher and always aims to help students understand the basics of course material, develop capability of critical thinking, and become analytical thinkers and problem solvers. Sean believes a teacher should create an environment where students are well motivated to learn and so he regularly brings related issues and cases to class and discusses how to apply the concepts and tools learned from the class to solve these practical problems. And he encourages students to raise questions and share their ideas in the class and gets them to participate in discussions. Sean also thinks a teacher needs to show students his/her knowledge and passion in teaching the subject and convey that passion to every student.

Outstanding Tutors Awards 2012

Mr. Zhou Hong (周宏)

Computer Science & Engineering Department

Zhou Hong has been with the Computer Science & Engineering Department as a PhD student since 2012. Before that, he completed his undergraduate and postgraduate study in the Jilin University and the University of Science and Technology of China respectively. He has great enthusiasm in teaching. As a tutor, he prepares the tutorial materials carefully, so that his students can understand the key points from different aspects. He can get along with his students and he is always willing to help them with their problems.

Mr. MAK Kai Ho, Manson (麥佳浩)

Electronic Engineering Department

Mak Kai Ho Manson received his B.Eng. degree from the Electronic Engineering Department, CUHK. He is currently a M.Phil. student in the same department. Manson is full of enthusiasm in teaching. Students like him very much because his teaching is clear and he is always well-prepared to teach his students. Moreover, he is a very helpful tutor to coordinate teaching activities. Undoubtedly, he is a good example to all tutors in the department.

Mr. WANG Hao (汪浩)

Information Engineering Department

Wang Hao is a 2nd year Ph.D. student in the Information Engineering Department. He received his Master's degree from the Shanghai Jiaotong University in 2011. He is very responsible and has a strong desire for achieving teaching excellence. He always gives clear tutorials, and is capable of explaining complicated theory in a simple way. He is also warm-hearted and friendly to the students, and willing to spend a lot of time answering questions and providing useful study tips inside and outside classrooms.

Dr. LAU Tak Kit (劉德傑)

Mechanical & Automation Engineering Department

Dr. Lau Tak Kit received his B.Eng. degree in Automation and Computer-aided Engineering, and M.Phil. and Ph.D. degrees in Mechanical and Automation Engineering, all from the CUHK in 2007, 2009 and 2012 respectively. Currently, he is a Postdoctoral Fellow of Mechanical & Automation Engineering Department in the CUHK. He served as a tutor in several undergraduate and postgraduate courses related to robotics. He received the best tutor awards from his department in Term 1 (2010-11) and Term 1 (2011-12), both with full marks in course evaluation. He received the Outstanding Tutor Awards from the Faculty of Engineering in 2011 as well. Dr. Lau bears one motto "DISCERE DOCENDO" in mind when he teaches. It means "to learn through teaching". He encourages students to explain their understandings on a subject to their classmates. He finds that students learn effectively and more enjoyably than board-and-chalk teaching. Moreover, he not only teaches students on course subjects, but also shares with them how he learns and understands a subject. He believes that students favor a tutor who teaches through inspiration.

Mr. KUO Yong-Hong (郭永鴻)

Systems Engineering & Engineering Management Department

Kuo Yong Hong received his M.Phil. degree from the Systems Engineering & Engineering Department, CUHK, and is now a Ph.D. student in the same department. He has been consistently a fantastic TA. His Course Evaluation Scores in 2011-12 were 5.8 and 5.7. He not only gives many practical examples in tutorials, answers students' questions effectively, but also provides great support to the course instructors. His passion for teaching is best described in his own words below (taken from his Teaching Statement):

> "I have a strong commitment to teaching because I love to share knowledge. Most students were trained only to focus on examinations, but not to appreciate knowledge. I have been trying to put them back on the right track of learning.
>
> When teaching, I explain why the topic is important using small 'magical' examples (e.g., Monty Hall problem for introducing conditional probability). Their amazed faces in class always keep me enthusiastic and energetic. In class, I usually leave the students some questions and encourage them to discuss with others, and motivate them to read outside of the lectures.
>
> I believe such training is extremely important as after graduation they will face many unanswered questions and work with other people to deal with challenging problems.
>
> The awards and the evaluations from students are always placed on my office desk to keep reminding me to provide better teaching."

Research Excellence Award 2012-2013

Professor LIEW Soung Chang (劉紹強)

Information Engineering Department

Recipient of Research Excellence Award for 2012-2013

Professor Liew Soung Chang received his Bachelor's and Ph.D. degrees from the Massachusetts Institute of Technology. After graduation, he worked at Bellcore (now Telcordia), New Jersey, as a Member of Technical Staff, focusing on Optical and Broadband Network Research. Since 1993, he has been with the Information Engineering Department, CUHK. He is an Adjunct Professor at Peking University and Southeast University, China.

Prof. Liew's current research interests include wireless networks, Internet protocols, multimedia communications, and packet switch design. Prof. Liew initiated and built the first inter-university ATM network testbed in Hong Kong in 1993. Prof. Liew's research group won the best paper awards in *IEEE MASS 2004 and IEEE WLN 2004*. Separately, TCP Veno, a version of TCP to improve its performance over wireless networks proposed by Prof. Liew's research group, has been incorporated into a recent release of Linux OS as well as Android Tablet products. More recently, Prof. Liew's research group pioneers the concept of *Physical-layer Network Coding* (PNC), which has received a wide following within the wireless communications and networking research community.

Besides research, Prof. Liew is also dedicated to teaching and nurturing his students. He is the recipient of the first Vice-Chancellor Exemplary Teaching Award at CUHK in 2000. The most impactful research of his is done with him leading a group of students.

Beyond academic activities, Prof. Liew is active in the industry. He co-founded two technology start-ups in Internet Software and has been serving as a consultant to many companies and industrial organizations. He is currently consultant for the Hong Kong Applied Science and Technology Research Institute (ASTRI), providing technical and strategic advice in the areas of Wireless Internetworking, Applications, and Services.

Prof. Liew is a Fellow of IEEE, IET and HKIE.

Outstanding Thesis Awards 2012

M.Phil. Thesis

Winner: Mr. ZHOU Bolei (周博磊)

Information Engineering Department

Thesis entitled "Modeling Collective Crowd Behaviors in Video"

Supervisor: Professor TANG Xiaoou (湯曉鷗)

Abstract of Mr. Zhou's thesis

Crowd behavior analysis is an interdisciplinary topic. Understanding the collective crowd behaviors is one of the fundamental problems both in social science and natural science. Research of crowd behavior analysis can lead to a lot of critical applications, such as intelligent video surveillance, crowd abnormal detection, and public facility optimization. In this thesis, we study the crowd behaviors in the real scene videos, propose computational frameworks and techniques to analyze these dynamic patterns of the crowd, and apply them for a lot of visual surveillance applications.

Firstly we proposed Random Field Topic model for learning semantic regions of crowded scenes from highly fragmental trajectories. This model uses the Markov Random Field prior to capture the spatial and temporal dependency between tracklets and uses the source-sink prior to guide the learning of semantic regions. The learned semantic regions well capture the global structures of the scenes in long range with clear semantic interpretation. They are also able to separate different paths at fine scales with good accuracy. This work has been published in IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2011 [70].

To further explore the behavioral origin of semantic regions in crowded scenes, we proposed Mixture model of Dynamic Pedestrian-Agents to learn the collective dynamics from video sequences in crowded scenes. The collective dynamics of pedestrians are modeled as linear dynamic systems to capture long range moving patterns. Through modeling the beliefs of pedestrians and the missing states of observations, it can be well learned from highly fragmented trajectories caused by frequent tracking failure. By modeling the process of pedestrians making decisions on actions, it can not only classify collective behaviors, but also simulate and predict collective crowd behaviors. This work has been published in IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2012 as Oral [71]. The journal version of this work has been submitted to IEEE Transaction on Pattern Analysis and Machine Intelligence (PAMI).

Moreover, based on a prior defined as Coherent Neighbor Invariance for coherent motions, we proposed a simple and effective dynamic clustering technique called Coherent Filtering for coherent motion detection. This generic technique could be used in various dynamic systems and work robustly under high-density noises. Experiments on different videos show the existence of Coherent Neighbor Invariance and the effectiveness of our coherent motion detection technique. This work has been published in European Conference on Computer Vision (ECCV) 2012.

Ph.D. Thesis

Winner: Dr. LU Lu (路璐)

Information Engineering Department

Thesis entitled "Asynchronous Physical-layer Network Coding"

Supervisor: Professor LIEW Soung-chang (劉紹強)

Abstract of Dr. Lu's thesis

This thesis investigates asynchronous physical-layer network coding (PNC) systems. It consists of two parts, each part contains a major contribution within the domain of PNC research. The first part presents a theoretical framework for dealing with phase and symbol asynchronies in PNC. We show how this framework can turn asynchronies to an advantage to boost system performance. The major contribution here is the insight that, contrary to the prior belief, asynchrony is not detrimental to the performance of PNC systems with the right methods to deal with it. The second part reports the first PNC implementation prototype. In particular, we demonstrate both in theory and practice that using OFDM in the PNC system can remove the symbol asynchrony in the time domain. The major contribution here is that this is the first experimental feasibility demonstration of the PNC concept since it was conceived theoretically five years ago.

Part I:

In the first part of this thesis, we study the phase and symbol asynchrony problems in PNC. A key issue in physical-layer network coding (PNC) is how to deal with the asynchrony between signals transmitted by multiple transmitters. That is, symbols transmitted by different transmitters could arrive at the receiver with symbol misalignment as well as relative carrier-phase offset. A second important issue is how to integrate channel coding with PNC to achieve reliable communication. This thesis investigates these two issues and makes the following contributions: 1) We propose and investigate a general framework for decoding at the receiver based on belief propagation (BP). The framework can effectively deal with symbol and phase asynchronies while incorporating channel coding at the same time. 2) For non-channel-coded PNC, we show that for BPSK and QPSK modulations, our BP method can significantly reduce the asynchrony penalties compared with prior methods. 3) For non-channel-coded PNC, with half symbol offset between the transmitters, our BP method can drastically reduce the performance penalty due to phase asynchrony, from more than 6 dB to no more than 1 dB. 4) For channel-coded PNC, with our BP method, both symbol and phase asynchronies actually improve the system performance compared with the perfectly synchronous case. Furthermore, the performance spread due to different combinations of symbol and phase offsets between the transmitters in channel-coded PNC is only around 1 dB. The implication of 3) is that if we could control the symbol arrival times at the receiver, it would be advantageous to deliberately introduce a half symbol offset in non-channel-coded PNC. The implication of 4) is that when channel coding is used, symbol and phase asynchronies are not major performance concerns in PNC.

Part II:

In the second part of this thesis, we present the first implementation of a two-way relay network based on the principle of physical-layer network coding. To date, only a simplified version of physical-layer network coding (PNC) method, called analog network coding (ANC), has been successfully implemented. The advantage of ANC is that it is simple to implement; the disadvantage, on the other hand, is that the relay amplifies the noise along with the signal before forwarding the signal. PNC systems in which the relay performs XOR or other denoising PNC mappings of the received signal have the potential for significantly better performance. However, the implementation of such PNC systems poses many challenges. For example, the relay must be able to deal with symbol and carrier-phase asynchronies of the simultaneous signals received from the two end nodes, and the relay must perform channel estimation before detecting the signals. We investigate a PNC implementation in the frequency domain, referred to as FPNC, to tackle these challenges. FPNC is based on OFDM. In FPNC, XOR mapping is performed on the OFDM samples in each subcarrier rather than on the samples in the time domain. We implement FPNC on the universal soft radio peripheral (USRP) platform. Our implementation requires only moderate modifications of the packet preamble design of 802.11a/g OFDM PHY. With the help of the cyclic prefix (CP) in OFDM, symbol asynchrony and the multi-path fading effects can be dealt with in a similar fashion. Our experimental results show that symbol-synchronous and symbol-asynchronous FPNC have essentially the same BER performance, for both channel-coded and non-channel-coded FPNC.

Dean's Outstanding Thesis

The Dean has specially selected a high-quality thesis to receive the Dean's Outstanding Thesis Award this year. One of the criteria for the Dean's Outstanding Thesis Award is to have fundamental science and engineering, and industrial impacts. The thesis selected this year was published in a high impact factor journal. It also demonstrated a high potential to be applied to the fabrication of new materials and new devices which would benefit the industry.

Winner: Dr. WANG Xiaomu (王肖沐)

Electronic Engineering Department

Thesis entitled "Graphene Interface Engineering: Surface/Substrate Modifications cum Metal Contact Exploration"

Supervisor: Professor XU Jianbin (許建斌)

Abstract of Dr. Wang's Thesis

Graphene is an appealing material in both science and technology. Its distinct electronic, thermal and mechanical properties have stimulated enormous scientific interest. In particular, graphene-based field-effect transistors (GFET) have been developed rapidly and are now considered an option for post-silicon electronics. In contrast to traditional semiconductors, the unique two dimensional structure of graphene offers the possibility of studying the interface characteristics for its proximity to the top surface and interface between graphene and the outside environment. We are thus interested in understanding graphene surface and interfacial issues associated with electronic structure, carrier transport and related phenomena on a nano-scale. In this thesis, we investigate both experimentally and theoretically the mechanisms of graphene interfacial couplings to different substrates, charge injection from metal electrodes and its interplay with inert adsorbates.

At first, few layer graphene's (FLG) electronic properties are adjusted efficiently and controllably through functionalizing its top surface. Both n-type and p-type doped exfoliated graphene sheets are present by virtue of adsorbing organic molecules. Additionally, the doping effects induced by electron beam (EB) irradiation are also studied. We find that by irradiating graphene with EB, graphene p-n junctions can be formed if EB irradiation is applied across a single graphene sheet containing regions with different layers.

Secondly, the crucial roles played by the supported substrate in graphene applications are meticulously interrogated. The existence of charge impurities and ripples adversely affects the mobility of high quality mechanically exfoliated graphene on commercially available SiO2/Si wafers inferior to its theoretical limit. To suppress the deleterious substrate effect, we utilize self-assembled monolayers to passivate the SiO2/Si substrate surface. After diminishing the unwanted scattering origins by this method, an increase in carrier mobility by nearly one order of magnitude (up to 47,000 cm2/Vs) is obtained.

Furthermore, the electronic properties of the interfaces between graphene and various metal electrodes are systematically investigated. Our study unambiguously reveals that a low electrical resistance as well as a linear current-voltage relation is not always granted for GFETs. Interestingly, for graphene on SiO2/Si passivated with highly-ordered OTMS, both 'space charge region limited' and 'ohmic' contacts can be obtained with a single metal electrode. We also find that by utilizing voltage bias, the contact can be reversibly altered between high resistance and low resistance. We ascribe the phenomenon to graphene's cone energy dispersion relationship as well as the vanishing density of states at the Dirac points. Our results herald a new avenue for achieving high density non-volatile graphene memory devices.

Faculty Service Awards 2012

The Faculty Service Awards are presented to the following faculty members in appreciation of their dedication and substantial efforts in serving faculty and the departments in the past years:

Miss LEUNG Ka Man, Carmen (梁嘉敏)

Electronic Engineering Department

Miss Carmen Leung is a Project Coordinator of the Electronic Engineering Department. She has been working in the department for about 5 years and is responsible for the department's undergraduate admission, timetabling, publicity and curriculum matters. She works independently and carries out the admission administrative duties efficiently and to a high standard. She is a capable and responsible staff who can work out timetabling, course registration, admission and curriculum matters effectively and efficiently in a well-organized manner. She is self-motivated, efficient and accurate in coordinating the production of publicity materials (e.g. web, research posters) and publicity activities (e.g. EIA, IT camp). Her working attitude is very good as well. She can initiate good ideas for improvement in her daily work. She works well with both professors and students and other colleagues, including those in other units such as the Faculty Office, Registration and Examination Section, Academic Quality Section, etc. Her excellent work is reflected in her consistently high ratings in the annual performance review exercise. Her nomination to the Faculty Service Awards 2012 has received unequivocal and enthusiastic support from all colleagues in the department.

Mr. LUK Shun Fai, Peter (陸順輝)

Information Engineering Department

Mr. Luk Shun Fai, Peter joined the Information Engineering Department as Assistant Computer Officer since 1997. Throughout these years, Mr. Luk has been providing exemplary services to the department. He never stops exploring new technologies and can always apply these new technologies to our services timely. Back to 2001, he was one of the pioneers to evaluate and deploy virtual machines VMware. He has helped department to deploy over 600 virtual machines for production network systems and lab courses. These virtual machines really help department save lots of money. He is also good at providing high quality service but with low cost solution for difficult problems. For example, he has recently helped Institute of Network Coding to set up the infrastructure for a Network Coding Data Storage (NCDS) pilot site with minimum budget and resource. This NCDS will also be duplicated at the Shenzhen Research Institute (the University Extension in Shenzhen) and the University of Science and Technology of China for demonstration. In addition to his enthusiasm in pursing cutting edged technologies, he cares about his client services very much. He has been voluntarily coming back at Sunday nights to ensure the normal operations of essential network equipment for every bi-annual power interruption in the Engineering Building so that our users can have normal network services in the next working day morning.

Mr. MOK Wai Kit Allan (莫偉傑)

Mechanical & Automation Engineering Department

Mr. Mok Wai Kit Allan has been an Electronic Officer in our Mechanical & Automation Engineering Department since 1995. He leads a team which consists of three technical staff and one Assistant Computer Officer to provide technical support to all our staff and students in the Department. He is a responsible person who serves people at all levels with courtesy, pleasing and helpful spirit. He helps to set up teaching and research laboratories in the Department. He maintains both teaching facilities and equipment in the teaching laboratories. He takes care of the course development, inclusive of providing technical support for laboratory-related courses, final year projects and summer undergraduate research programmes. He coordinates the laboratory visits for various events and also provides technical support for participating teams in competitions. In past years, Mr. Mok conducted a 5-day workshop on MCU & PCB design, which was on optional and non-credit basis, for undergraduate students to join in summer in order to enhance their technical background. He is always helpful in giving advice and assistance for technical issues when there are requests from colleagues or students on teaching or research. Staff and students are impressed by his dedicated and professional attitudes. He very well deserves the recognition of the Faculty Service Awards for his outstanding performance.

Mr. PANG Wai Man, Raymond (彭偉文)

Systems Engineering & Engineering Management Department

Raymond is our Computer Officer and leads the technical team to provide technical support to users. Under his supervision, his team consistently delivers technical excellence to users with positive feedback.

On the technical aspect, one of his major achievements was to build our backbone wired and wireless networks from the ground up. He has been managing the network infrastructure and services well. Also, he is knowledgeable in solving technical problems. There was once the whole network was flooded with abnormal traffic. He promptly identified a virus-infected PC and brought the network back to normal in a few minutes. He also manages quite a number of servers for critical computing services with redundancy capabilities. This approach shortens the services downtime caused by hardware failure or system problems, and minimizes the impact. Sometimes the impact is even unnoticed by users.

He also bears other responsibilities such as regular review of computing facilities to meet the constantly demanding needs; from handling new Engineering courses setup to safety issues, etc. His expertise is really an asset to the department and his performance exceeds expectations. Raymond is definitely an invaluable member of the department.

Dean's List for M.Sc. Students 2011-12

The following M.Sc. students who have graduated in 2011-2012 have achieved a cumulative GPA of 3.6 or above and are placed on the Dean's List:

CHAN Cheuk Wing Danny (陳卓穎)
Biomedical Engineering

CHAN Ka Yee Cherry (陳嘉儀)
Systems Engineering & Engineering Management

CHAN Ming Tat Ronald (陳銘達)
Computer Science

CHAU Chun Wai (周俊偉)
Computer Science

CHAU Li Yin (周理然)
Biomedical Engineering

CHEN Boqi (陳博琦)
Systems Engineering & Engineering Management

CHEUNG Shing King (張勝景)
Information Engineering

CHOW Ho Bong (周浩邦)
Biomedical Engineering

DAI Yi (戴 毅)
Logistics & Supply Chain Management

DENG Fang (鄧 芳)
E-Commerce & Logistics Technologies

FAN Chi Hang (樊志恒)
Computer Science

FUNG Chi Hang (馮致衡)
Biomedical Engineering

FUNG Ka Yee (馮家怡)
Systems Engineering & Engineering Management

GUO Yao (郭 堯)
Information Engineering

HAN Yang (韓 暘)
Information Engineering

HE Xinrui (何心蕊)
Systems Engineering & Engineering Management

HU Xiaojie (胡驍杰)
Computer Science

LAI Chi Wai (賴志偉)
Computer Science

LEE Chun Kit (李駿傑)
Computer Science

LEE Sai Ming Joseph (李世民)
Computer Science

LEUNG Tin Wai (梁天偉)
Systems Engineering & Engineering Management

LEUNG Yik Chung (梁奕聰)
Information Engineering

LEUNG Ying Fan (梁應勳)
Computer Science

LI Chujing (李楚靜)
Computer Science

LI Yingzi (黎迎子)
E-Commerce & Logistics Technologies

LI Yuen Chung (李源聰)
Computer Science

LIU Chong (劉 翀)
E-Commerce & Logistics Technologies

LIU Jingtian (劉婧甜)
Information Engineering

LUESSI Simon Christophe
Information Engineering

SHANGGUAN Lujie (上官璐洁)
Systems Engineering & Engineering Management

SIU Fu Sing (蕭富升)
Computer Science

SUEN Yu Luen (孫瑜聯)
Systems Engineering & Engineering Management

SUN Siliang (孫斯亮)
Information Engineering

TSE Wing Cheong (謝永昌)
Systems Engineering & Engineering Management

TUNG Man Ling (董曼鈴)
E-Commerce & Logistics Technologies

WANG Ranshi (王然石)
Systems Engineering & Engineering Management

WANG You (王 游)
Information Engineering

WONG Chung Yiu (汪忠耀)
Mechanical & Automation Engineering

WONG Kai Lai Eddy (王啟禮)
Biomedical Engineering

XING Sang (邢 桑)
E-Commerce & Logistics Technologies

YEUNG Ham (楊 涵)
Systems Engineering & Engineering Management

YU Yang (俞 洋)
E-Commerce & Logistics Technologies

YUNG Sheung Wai (翁尚蔚)
Information Engineering

ZHANG Can (張 璨)
E-Commerce & Logistics Technologies

ZHANG Luqi (章琭琦)
Systems Engineering & Engineering Management

ZHANG Weidong (张卫东)
Logistics & Supply Chain Management

ZHANG Yuanxiang (張淵翔)
Systems Engineering & Engineering Management

ZHAO Xuefei (趙雪飛)
Information Engineering

ZHENG Ming (鄭 明)
E-Commerce & Logistics Technologies

ZHOU Luming (周璐明)
Logistics & Supply Chain Management

ZHOU Pinzhi (周品智)
Computer Science

ZHU Bangyi (朱邦义)
Information Engineering

Dean's List for Undergraduate Students 2011-2012

The undergraduate students below have achieved a GPA of 3.5 or above in 2011-2012 academic year and are placed on the Dean's List:

AI Yusi (艾宇思)
Systems Engineering & Engineering Management

BU Shi (卜 實)
Electronic Engineering

CAI Lipeng (蔡立鵬)
Electronic Engineering

CAO Ying (曹 穎)
Systems Engineering & Engineering Management

CHAN Chun Wing (陳雋永)
Computer Engineering

CHAN Hoi Wan (陳凱韻)
Computer Engineering

CHAN Kin Lon (陳健朗)
Mechanical & Automation Engineering

CHAN Tik Hin (陳迪軒)
Mechanical & Automation Engineering

CHAN Tse Tin (陳謝天)
Information Engineering

CHAN Yuen Kit (陳原傑)
Electronic Engineering

CHAU Man Lok (周岷洛)
Mechanical & Automation Engineering

CHEN Tianxu (陳天旭)
Information Engineering

CHEN Zonghao (陳宗昊)
Information Engineering

CHEONG Hio Teng (張曉婷)
Biomedical Engineering

CHEUNG Hon Ki (張浣琪)
Electronic Engineering

CHEUNG Ka In (張嘉彥)
Electronic Engineering

CHEUNG Ka Wai (張家維)
Computer Science

CHEUNG Ka Yiu (張家耀)
Computer Science

CHI Fung Fei (池鳳飛)
Electronic Engineering

CHIANG Kit I (蔣潔儀)
Computer Science

CHIK Man Chum (戚文湛)
Electronic Engineering

CHOW Yuen Sze (周苑詩)
Mechanical & Automation Engineering

CHUA Vivian (蔡蔚琳)
Systems Engineering & Engineering Management

CHUI Kei Yan (崔紀欣)
Biomedical Engineering

CUI Wenjing (崔文婧)
Systems Engineering & Engineering Management

DING Qian (丁 乾)
Computer Science

FAN Congmin (樊聰敏)
Information Engineering

FENG Guanlan (馮冠蘭)
Mathematics & Information Engineering

FENG Kaiyin (馮凱音)
Engineering Stream

FU Qiurui (付秋睿)
Mathematics & Information Engineering

GAI Kuo (蓋 闊)
Engineering Stream

GAO Feng (高 楓)
Engineering Stream

GAO Lu (高 璐)
Information Engineering

GAO Xun (高 洵)
Information Engineering

GAO Ya (高 雅)
Engineering Stream

GUO Lei (郭 蕾)
Systems Engineering & Engineering Management

HE Yingxin (何迎昕)
Computer Science

HO Hoi Yin (賀海燕)
Systems Engineering & Engineering Management

HO Wan Long (何雲龍)
Electronic Engineering

HON Man Hin Jeffrey (韓文軒)
Computer Science

HUANG Zhengyuan (黃正元)
Engineering Stream

HUEN Shiu Fung (禤肇峯)
Computer Science

HUI Wai Yi (許慧怡)
Information Engineering

JIANG Kanghui (蔣康慧)
Systems Engineering & Engineering Management

JIANG Yang (姜 洋)
Electronic Engineering

KWOK Tsz Piu (郭子彪)
Computer Science

LAI Hoi Ting (黎凱婷)
Information Engineering

LAI Kwun Ping (黎冠平)
Computer Engineering

LAI Shengnan (賴盛楠)
Systems Engineering & Engineering Management

LAI Tak Yi (賴德怡)
Computer Science

LAM Leung Wing (林良穎)
Electronic Engineering

LAM Yi Kwan (林怡昆)
Mathematics & Information Engineering

LAU Ka Shing (劉嘉誠)
Computer Engineering

LAU Wai In (樓慧妍)
Mechanical & Automation Engineering

LAU Yik Ting (劉翊霆)
Mechanical & Automation Engineering

LAU Ying Fai (柳英輝)
Mechanical & Automation Engineering

LAW Long Ting (羅朗庭)
Computer Science

LAW Sau Kam Liliana (羅秀金)
Biomedical Engineering

LAW Wai Hon (羅維漢)
Computer Science

LEE Chi Yuen (李志元)
Computer Science

LEE Hong Yung Arthur (李劻融)
Biomedical Engineering

LEE Kwan Yeung (李鈞揚)
Computer Science

LEE Man Kit (李文傑)
Mechanical & Automation Engineering

LEE Siu Hung (李肇鴻)
Electronic Engineering

LEE Wing Hei Gloria (李詠熹)
Computer Science

LEE Yuk Lam (李沃霖)
Biomedical Engineering

LEI Wenfeng (雷文鋒)
Computer Science

LEUNG Ho Fung (梁可峰)
Mechanical & Automation Engineering

LEUNG Tsun Ho (梁浚濠)
Computer Engineering

LI Cheuk Ting (李卓霆)
Mathematics & Information Engineering

LI Hao (李 昊)
Electronic Engineering

LI Ho Cheong (李浩昌)
Computer Engineering

LI Quanquan (李全全)
Information Engineering

LI Tianyuan (李天元)
Engineering Stream

LI Ting Fung (李霆峯)
Computer Science

LI Wenting (李文婷)
Information Engineering

LI Yu (李 煜)
Systems Engineering & Engineering Management

LI Zhongyu (李忠宇)
Engineering Stream

LIN Hong Ting (連康婷)
Mechanical & Automation Engineering

LIN Shuying (林舒穎)
Information Engineering

LIN Yu (林 煜)
Systems Engineering & Engineering Management

LIU Ruifeng (劉瑞峰)
Computer Science

LIU Song (劉 嵩)
Mathematics & Information Engineering

LIU Yuxiao (劉宇霄)
Systems Engineering & Engineering Management

LIU Zhenhang (劉振航)
Systems Engineering & Engineering Management

MA Xiaojun (馬曉駿)
Information Engineering

MAK Yiu Ming (麥耀銘)
Computer Science

MAN Yin Suen (萬彥璿)
Computer Engineering

MAO Linying (毛琳瑩)
Information Engineering

MAO Xiangyu (毛翔宇)
Computer Science

MUI Tin Wai (梅天威)
Electronic Engineering

NG Chun Yin (吳俊賢)
Computer Science

NG Lok Man (吳洛雯)
Computer Science

NG Tsz Ching (吳子程)
Mathematics & Information Engineering

NG Wai Hang (吳瑋珩)
Systems Engineering & Engineering Management

NGOO Hung Wing (吳鴻榮)
Mathematics & Information Engineering

NIU Zhuowen (牛卓文)
Engineering Stream

PAN Hao (潘 昊)
Engineering Stream

PANG Furong (龐芙蓉)
Systems Engineering & Engineering Management

POON Chun Yeung (潘俊陽)
Computer Science

POON Ka Po (潘家寶)
Computer Science

REN Yi (任 義)
Information Engineering

SA Yat Sing (沙日星)
Mechanical & Automation Engineering

SHEN Linghao (沈凌浩)
Information Engineering

SHIU Ho Ming (邵浩銘)
Computer Engineering

SINN Lok Tsun (冼樂浚)
Computer Science

SO Tsz Fai (蘇子輝)
Computer Science

SU Tan (蘇 坦)
Engineering Stream

SUN Wencheng (孫文成)
Systems Engineering & Engineering Management

TANG Long Yin Choco (鄧朗然)
Computer Engineering

TIAN Chong (田 充)
Engineering Stream

TIAN Peida (田沛達)
Engineering Stream

TIAN Tian (田 甜)
Engineering Stream

TSE On Yee (謝安儀)
Biomedical Engineering

TSUI Hok Yin (徐學然)
Computer Science

TUNG Chun To (童俊濤)
Mathematics & Information Engineering

WAN Kin (温 建)
Systems Engineeringv & Engineering Management

WAN Kwok Wa (温國華)
Computer Science

WANG Chao (王 超)
Systems Engineering & Engineering Management

WANG Cheng (王 成)
Engineering Stream

WANG Shuoyao (王朔遙)
Information Engineering

WANG Ximing (王希明)
Systems Engineering & Engineering Management

WEI Xiaoyao (魏瀟瑤)
Electronic Engineering

WONG Cheuk Wa (黃灼華)
Biomedical Engineering

WONG Cheuk Yiu (黃卓堯)
Computer Science

WONG Chi Hang (黃知行)
Information Engineering

WONG Ching Mun (王清滿)
Computer Engineering

WONG Chun Yin (王俊賢)
Mechanical & Automation Engineering

WONG Chun Yin Anson (王俊彥)
Mechanical & Automation Engineering

WONG Kwong Wai (黃廣威)
Electronic Engineering

WONG Man Ka (黃敏嘉)
Electronic Engineering

WONG Pak Kan (黃柏芹)
Information Engineering

WONG Wai Shun (黃偉舜)
Electronic Engineering

WONG Wing Lun (黃永麟)
Computer Science

WONG Ying (王 瑩)
Electronic Engineering

WONG Yuen Ting (黃婉婷)
Systems Engineering & Engineering Management

WU Pangbo (吳磅礴)
Engineering Stream

WU Yiqian (鄔一謙)
Biomedical Engineering

XIA Shucheng (夏書澄)
Systems Engineering & Engineering Management

XIE Mengjie (謝夢潔)
Information Engineering

XIE Yuanheng (謝遠恒)
Engineering Stream

XU Haotian (徐皓天)
Information Engineering

XU Shuang (徐 爽)
Engineering Stream

YANG Chi (楊 馳)
Information Engineering

YIN Ming (陰 明)
Information Engineering

YIP Ki Chun (葉棋俊)
Systems Engineering & Engineering Management

YIP Tsz Ho (葉梓豪)
Electronic Engineering

YIU Man Tung (姚文東)
Computer Science

YIU Wan Ming (姚允明)
Electronic Engineering

YUEN Chi Ho (阮志豪)
Mathematics & Information Engineering

ZENG Zijie (曾子傑)
Information Engineering

ZHANG Jiahui (張佳卉)
Systems Engineering & Engineering Management

ZHANG Qi (張 琦)
Computer Science

ZHANG Sheng (章 晟)
Engineering Stream

ZHANG Yingxiao (張穎晓)
Information Engineering

ZHAO Di (趙 迪)
Systems Engineering & Engineering Management

ZHAO Hao (趙 昊)
Engineering Stream

ZHAO Yongjun (趙永駿)
Information Engineering

ZHAO Zinan (趙子楠)
Engineering Stream

ZHOU Zhehui (周哲暉)
Engineering Stream

ZOU Yihan (鄒逸涵)
Information Engineering

Commendations 2012

The following faculty members and students of the Faculty have received honourable prizes and awards in the year 2012 which deserve commendation:

- **Mr. CHAN Chun Wing (陳雋永)**
  Mr. LEE Koon Kit (李冠傑)
  Mr. MAN Yin Suen (萬彥璿) and
  Professor SUN Hanqiu (孫漢秋)
  from the Computer Science & Engineering Department
  Who won the 1st Prize of the IBM Inter-University Programming Contest 2012 in February 2012.
- **Mr. WANG Chao Jun (王超駿)**
  Mr. WONG Ho Wang (黃皓宏)
  Mr. YAU Hing Tuen (邱慶端) and
  Professor SUN Hanqiu (孫漢秋)
  from the Computer Science & Engineering Department
  Who won the 2nd Runner Up of the IBM Inter-University Programming Contest 2012 in February 2012.
- **Dr. TANG Wai Chung, Matthew (鄧偉宗)**
  Computer Science & Engineering Department
  Who won the Dean's Exemplary Teaching Awards 2011 in March 2012.
- **Mr. KWOK Tsz Chiu (郭子超)**
  Computer Science & Engineering Department
  Who won the Faculty's Outstanding Tutors Awards 2011 in March 2012.
- **Professor LUI Chi Shing, John (呂自成)**
  Computer Science & Engineering Department
  Who won the Research Excellence Award 2011-2012 of the Chinese University of Hong Kong in March 2012.
- **Dr. ZHENG Zibin (鄭子彬)**
  Computer Science & Engineering Department
  Who won the Faculty's Outstanding Thesis Awards 2011 (Ph.D. Thesis) in March 2012.
- **Mr. LAW Kim Wai (羅劍偉)**
  Computer Science & Engineering Department
  Who won the Faculty's Service Awards 2011 in March 2012.
- **Professor FU Wai Chee, Ada (傅慰慈)**
  Computer Science & Engineering Department
  Who received the Most Influential Paper Award from the Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD) 2012 in April 2012.
- **Mr. HAO Jianye (郝建業) and**
  Professor LEUNG Ho Fung (梁浩鋒)
  from the Computer Science & Engineering Department
  Who won the 1st Place and the "Best in Discounted Domains" Award at the Third Automated Negotiating Agents Competition (ANAC 2012) in June 2012.
- **Mr. LAW Wai Hon (羅維漢)**
  Mr. HON Man Hin (韓文軒) and
  Professor LAU Lap Chi (劉立志)
  from the Computer Science & Engineering Department
  together with a student, YUEN Chak Fai (袁澤暉), from the Quantitative Finance Programme
  Who won the Silver Medal (8th in the world) at the 36th Annual World Finals of the Association for Computing Machinery (ACM) International Collegiate Programming Contest (ICPC) in June 2012.
- **Professor LYU Rung Tsong, Michael (呂榮聰)**
  Professor KING Kuo Chin, Irwin (金國慶) and
  Dr. DENG Hongbo (鄧洪波)
  from the Computer Science & Engineering Department
  Who won the Vannevar Bush Best Paper Award in the Joint Conference on Digital Libraries (JCDL) 2012 in June 2012.
- **Miss HE Xu (賀 旭)**
  Mr. HUANG Tao (黃 韜)
  Mr. CHOW Wing Kai (周永啟) and
  Professor YOUNG Fung Yu (楊鳳如)
  from the Computer Science & Engineering Department
  Who won the Second Place at the Design Automation Conference (DAC 2012) Routability Driven Placement Contest in June 2012.
- **Mr. LU Ce Wu (盧策吾)**
  Mr. XU Li (徐 立) and
  Professor JIA Jiaya (賈佳亞)
  from the Computer Science & Engineering Department
  Who won the Best Paper Award at the International Symposium on Non-Photorealistic Animation and Rendering (NPAR) 2012 in June 2012.
- **Mr. CHAN Chun Kit (陳俊杰)**
  Mr. LIU Rui Feng (劉瑞峰)
  Mr. SHU Jianfei (舒劍飛) and
  Professor XU Qiang (徐 強)
  from the Computer Science & Engineering Department
  Who won the Championship at the 2012 Intel Cup Undergraduate Electronic Design Contest – Embedded System Design Invitational Contest in July 2012.
- **Mr. HUANG Dawei (黃大衛) and**
  Mr. CHAN Pak Hey (陳栢熙)
  from the Computer Science & Engineering Department
  together with a student, YUEN Chak Fai (袁澤暉), from the Quantitative Finance Programme
  Who won the Third Place at the 2012 ACM-ICPC Asia Hangzhou Regional Contest in August 2012.
- **Mr. LAU Yat Tin, Andy (劉日天) and**
  Mr. LAU Kin Wing (劉健榮)
  from the Computer Science & Engineering Department
  Who won the 2nd Runner Up at the 9th Final Year Project Competition of IEEE (Hong Kong) Computational Intelligence Chapter 2012 in August 2012.

- **Professor KING Kuo Chin, Irwin (金國慶)**
  Computer Science & Engineering Department
  Who received the Certificate of Merit Winners of 2012 Hong Kong Awards for Industries: Technological Achievement in August 2012.
- **Mr. LI Peng (李 平)**
  Computer Science & Engineering Department
  Who won the 1st Runner Up at the 6th Postgraduate Paper Contest of IEEE (Hong Kong) Computational Intelligence Chapter in August 2012.
- **Mr. NG Tsz Ming (吳子銘)**
  Computer Science & Engineering Department
  Who won the Champion at the Tertiary Section of "Safe and Sustainable Transport for Tomorrow" Paper Competition by the Institution of Engineering and Technology (IET) in November 2012.
- **Mr. WEI Xing (魏 星)**
  Mr. LAM Tak Kei (林德基)
  Mr. DIAO Yi (刁 屹) and
  Professor WU Yu Liang, David (吳有亮)
  from the Computer Science & Engineering Department
  Who won the Champion at the ICCAD 2012 International CAD Contest on the Topic of Functional ECO in December 2012.
- **Miss HE Xu (賀 旭)**
  Mr. HUANG Tao (黃 韜)
  Mr. CHOW Wing Kai (周永啟)
  Mr. LAM Ka Chun (林家俊)
  Mr. KUANG Jian (匡 建)
  Mr. CAI Wenzan (蔡文贊) and
  Professor YOUNG Fung Yu (楊鳳如)
  from the Computer Science & Engineering Department
  Who won the Second Place at the ICCAD 2012 International CAD Contest on the Topic of Design Hierarchy Aware Routability-driven Placement in December 2012.
- **Mr. YUE Koon Fung (余冠鋒) and**
  Mr. LAM Hung Kei (林鴻基)
  from the Computer Science & Engineering Department
  Who received the Merit Prize at the 2012 HKEIA Innovation & Technology Project Competition Award for Students of Electronic Engineering or Related Engineering Fields in December 2012.
- **Mr. LEE Koon Kit (李冠傑)**
  Miss LEE Ching Ching (李菁菁)
  Mr. CHEUNG Wan Ho (張雲浩) and
  Mr. YING Peilin (應沛霖)
  from the Computer Science & Engineering Department
  Who won the First Place at the Samsung Hope for Children App Creation Competition 2012 in December 2012.
- **Professor YUNG Pun To, Douglas (榮本道)**
  Electronic Engineering Department
  Who won the Dean's Exemplary Teaching Awards 2011 in March 2012.
- **Miss POON Hiu Ching, Peggy (潘曉晴)**
  Electronic Engineering Department
  Who won the Faculty's Outstanding Tutors Awards 2011 in March 2012.
- **Mr. SY Ming-yiu (施明耀)**
  Electronic Engineering Department
  Who won the Faculty's Outstanding Thesis Awards 2011 (M.Phil. Thesis) in March 2012.
- **Mr. FUNG Yun Ming, Leo (馮潤明)**
  Electronic Engineering Department
  Who won the Faculty's Service Awards 2011 in March 2012.
- **Mr. LI Kun (李 坤) and**
  Mr. ZHOU Yue (周 越)
  from the Electronic Engineering Department
  Who were awarded the Global Scholarship Programme for Research Excellence – CNOOC Grants for 2012-13 in May 2012.
- **Professor XU Jianbin (許建斌)**
  Electronic Engineering Department
  Who was awarded the Distinguished Lectureship in Chinese Chemical Society in recognition of his contributions to understanding of moelcular materials and devices in June 2012.
- **Mr. CHIK Man Chum (戚文湛)**
  Electronic Engineering Department
  Who was awarded the Best Student Paper Award (Champion of AP Session) at the 13th IEEE (Macau) AP/MTT Postgraduate Conference 2012 in October 2012.
- **Mr. LI Wei (李 煒)**
  Electronic Engineering Department
  Who was awarded the Best Student Paper Award (1st Runner Up of MTT Session) at the 13th IEEE (Macau) AP/MTT Postgraduate Conference 2012 in October 2012.
- **Dr. WANG Xiaomu (王肖沐)**
  Electronic Engineering Department
  Who received the "Honorable Mention" of Engineering Science, Young Scientist Awards 2012 by the Hong Kong Institution of Science (HKIS) in November 2012.
- **Mr. MUI Tin Wai (梅天威)**
  Electronic Engineering Department
  Who received the Merit Prize of HKEIA Innovation & Technology Project Competition Award 2012 in November 2012.
- **Professor WU Ke Li (吳克利)**
  Mr. HU Hai (胡 海) and
  Mr. MENG Huan (孟 幻)
  from the Electronic Engineering Department
  Who received the 2012 Asia-Pacific Microwave Conference Best Paper Award in Kaohsiung, Taiwan in December 2012.
- **Professor WONG Ching Ping (汪正平)**
  Electronic Engineering Department
  (1) Who received the Dresden Barkhausen Award 2012 in December 2012.
- **Professor LIEW Soung Chang (劉紹強)**
  Information Engineering Department
  Who was elected as the IEEE Fellow for his contributions to wireless communications and networking from January 1, 2012.

- **Professor CHEN Lian Kuan (陳亮光)**
  Information Engineering Department
  Who won the Dean's Exemplary Teaching Awards 2011 in March 2012.
- **Mr. FU Zhengjia (傅正佳) and Mr. LEE Kai Ki (李佳奇)**
  from the Information Engineering Department
  Who won the Faculty's Outstanding Tutors Awards 2011 in March 2012.
- **Miss TANG Wai Ling, Florence (鄧慧玲)**
  Information Engineering Department
  Who won the Faculty's Service Awards 2011 in March 2012.
- **Mr. ZHANG Wei (張 偉)**
  Information Engineering Department
  Who won the Champion at the International Conference on Frontiers in Handwriting Recognition (ICFHR) 2012 – Arabic Writer Identification Contest in April 2012.
- **Mr. CAI Sheng (蔡 盛) Mr. CHE Pak Hou (謝伯浩) and Miss WANG Qiwen (王綺雯)**
  from the Information Engineering Department
  Who were awarded the Global Scholarship Programme for Research Excellence – CNOOC Grants for 2012-13 in May 2012.
- **Mr. YIN Dongjie (尹東杰)**
  Information Engineering Department
  Who won the Best Student Paper Award at the 21st Annual Wireless and Optical Communications Conference (WOCC) 2012 for his paper "Throughput Stability and Energy Consumptions of IEEE 802.15.4 Beacon Enable Mode" in May 2012.
- **Professor ZHANG Yingjun, Angela (張穎珺)**
  Information Engineering Department
  Who won the Young Researcher Award 2011 of the Chinese University of Hong Kong in August 2012.
- **Professor YEUNG Wai Ho, Raymond (楊偉豪)**
  Information Engineering Department
  Who was elected as the Distinguished Lecturer of the IEEE Information Theory Society for 2011 and 2012 in August 2012.
- **Professor HUANG Jianwei (黃建偉)**
  Information Engineering Department
  together with Mr. WU Chenye from the Tsinghua University and Professor HAMED Mohsenian-Rad from the Texas Technology University
  Who won the IEEE SmartGridComm 2012 Best Paper Award for their paper "PEV-based Reactive Power Compensation for Wind DG Units: A Stackelberg Game Approach" in October 2012.
- **Mr. CHEN Xiangwen (陳向文) and Professor CHEN Minghua (陳名華)**
  from the Information Engineering Department
  Dr. WANG Zhi, Professor SUN Lifeng, Professor ZHU Wenwu and Professor YANG Shiqiang from the Tsinghua University, together with Professor LIU Jiangchuan from the Simon Fraser University
  Who won the ACM Multimedia (ACM MM) 2012 Best Paper Award in November 2012.
- **Professor WANG Jun (王 鈞)**
  Mechanical & Automation Engineering Department
  (1) Who won the First-class Prize at the MoE Higher Education Outstanding Scientific Research Output Awards 2011 for his project "Neurodynamic Optimization Models and Their Applications" in February 2012.
  (2) Who was elected the Fellow of the International Association for Pattern Recognition (IAPR) in November 2012.
- **Dr. LI Yiyang (李奕陽) Mr. LEUNG Yun Yee (梁潤怡) Mr. YIP Chun Wa (葉俊華) Miss LAM Ho Yi (林可兒) Miss MOK Tsz Tung (莫紫彤) and Mr. SA Yat Sing (沙日星)**
  from the Mechanical & Automation Engineering Department
  Who won the Champion at the IMechE Greater China Region Design Competition 2012 in March 2012.
- **Mr. LAU Tak Kit (劉德傑)**
  Mechanical & Automation Engineering Department
  Who won the Faculty's Outstanding Tutors Awards 2011 in March 2012.
- **Ms. YAU Kit Wah (丘潔華)**
  Mechanical & Automation Engineering Department
  Who won the Faculty's Service Awards 2011 in March 2012.
- **Professor LIAO Wei Hsin (廖維新)**
  Mechanical & Automation Engineering Department
  (1) Who won the Dean's Exemplary Teaching Awards 2011 in March 2012.
  (2) Who chaired the IEEE HK RACS Chapter, received the 2012 Chapter of the Year Award from the IEEE Robotics and Automation Society in May 2012.
  (3) Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.
  (4) Who won the Vice-Chancellor's Exemplary Teaching Award 2011 in November 2012.
- **Miss LEUNG Yun Yee (梁潤誼)**
  Mechanical & Automation Engineering Department
  (1) Who won the 1st Runner Up at the Apps in the City-Public Sector Information Application Competition (Student Stream – Concept Development Category) organized by the Internet Professional Association in April 2012.
  (2) Who won the 1st Runner Up (Undergraduate Section) at the Present Around the World (Hong Kong) 2012 organized by the Institution of Engineering and Technology of Hong Kong in July 2012.
- **Mr. LEE Man Kit (李文傑)**
  Mechanical & Automation Engineering Department
  Who was awarded the Best Mechanical Engineering Student of CUHK from the Institution of Mechanical Engineers Hong Kong Branch 2012 in May 2012.
- **Professor DU Ruxu (杜如虛)**
  Mechanical & Automation Engineering Department
  (1) Who was elected the Fellow of the Society of Manufacturing Engineers (SME) in June 2012.
  (2) Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.

- **Mr. YU Cheuk Him (余卓謙)**
  Mr. LAI Wai Yin (黎偉賢) and
  Mr. CHAN Chi Chong (陳始創)
  from the Mechanical & Automation Engineering Department
  Who won the Champion of the Jardine Engineering Corporation Outstanding Engineering Project Award 2012 in June 2012.

- **Professor HUANG Jie (黃 捷)**
  Mechanical & Automation Engineering Department
  together with Dr. CHEN Zhi Yong from the University of Newcastle
  Who won the SUPCON Best Paper Award at the 9th World Congress on Intelligent Control and Automation for their paper "Parameter Convergence Analysis in Adaptive Disturbance Rejection Problem of Rigid Spacecraft" in Beijing, China in July 2012.

- **Mr. KWOK Tsz Ho (郭子豪)**
  Mechanical & Automation Engineering Department
  Who won the Postgraduate Research Output Award 2011 of the Chinese University of Hong Kong in July 2012.

- **Professor YAM Yeung (任 揚)**
  Mechanical & Automation Engineering Department
  Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.

- **Professor LIU Yun Hui (劉雲輝)**
  Mechanical & Automation Engineering Department
  Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in November 2012.

- **Professor WANG Changling, Charlie (王昌凌)**
  Mechanical & Automation Engineering Department
  together with Professor YUEN Ming Fai, Matthew from the Hong Kong University of Science and Technology
  Who won the Natural Science Award (2nd Class) of the 2012 Ministry of Education (MOE) Higher Education Outstanding Scientific Research Output Award for their project "Research of Semantic Feature Based 3D Garment Design" in December 2012.

- **Professor XU Yangsheng (徐揚生)**
  Mechanical & Automation Engineering Department
  Who received the Outstanding Technology and Products Award in the 14th Chinese High-Tech Fair for his projects "Lower-limb Exoskeleton Walk-Assistive Robot" and "Community Surveillance Robot" in December 2012.

- **Professor WANG Yu, Michael (王 煜)**
  Mechanical & Automation Engineering Department
  Who was awarded the 2012 China State Natural Science Prize (2nd Class) in December 2012.

- **Mr. SIU Fai, Simon (蕭 輝)**
  Systems Engineering & Engineering Management Department
  於二零一二年三月勇奪實時真錢港股投資比賽冠軍。

- **Professor SO Man Cho, Anthony (蘇文藻)**
  Systems Engineering & Engineering Management Department
  Who won the Dean's Exemplary Teaching Awards 2011 in March 2012.

- **Mr. TOU Weng Hei, Terence (都永熙)**
  Systems Engineering & Engineering Management Department
  Who won the Faculty's Outstanding Tutors Awards 2011 in March 2012.

- **Ms. SO Wai Chun, Ada (蘇偉真)**
  Systems Engineering & Engineering Management Department
  Who won the Faculty's Service Awards 2011 in March 2012.

- **Professor ZHOU Xunyu (周迅宇)**
  Systems Engineering & Engineering Management Department
  Who was invited as Plenary Speaker at the 7th World Congress of the Bachelier Finance Society in June 2012.

- **Mr. CHAU Tsz Fung (周梓泽)**
  Mr. LAW Kin Fun (羅建勛)
  Mr. WONG Cheuk Wing (黃卓榮) and
  Mr. ZHOU Lanjun (周藍珺)
  from the Systems Engineering & Engineering Management Department
  於二零一二年七月勇奪二零一二兩岸四地大學生創業計劃大賽二等獎。

- **Professor MENG Mei Ling, Helen (蒙美玲)**
  Systems Engineering & Engineering Management Department
  (1) Who was elected one of the inaugural Distinguished Lecturer of the Asia-Pacific Signal and Information Processing Association (APSIPA) 2012-2014 in August 2012.
  (2) Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.
  (3) Who was elected the IEEE Fellow in November 2012.

- **Professor LAM Wai (林 偉)**
  Systems Engineering & Engineering Management Department
  Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.

- **Professor LEUNG May Yee, Janny (梁美兒)**
  Systems Engineering & Engineering Management Department
  Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.

- **Professor LI Duan (李 端)**
  Systems Engineering & Engineering Management Department
  Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.

- **Professor YU Xu, Jeffrey (于 旭)**
  Systems Engineering & Engineering Management Department
  Who was elected the Fellow of the Hong Kong Institution of Engineers (HKIE) in September 2012.

- **Mr. LAI Shu Wo, David (黎樹和)**
  Systems Engineering & Engineering Management Department
  Who won the Second Prize in the Poster Competition at the INFORMS Conference 2012 in October 2012.

Graduates with First Class Honours 2011-2012

The following undergraduate students have graduated with First Class Honours in 2011-2012 and deserve commendation:

CHAN Chun Wing (陳雋永)
Computer Engineering

CHEN Junyu (陳俊宇)
Mathematics & Information Engineering

CHEUNG Hon Ki (張浣琪)
Electronic Engineering

CHIK Man Chum (戚文湛)
Electronic Engineering

CHOW Yuen Sze (周苑詩)
Mechanical & Automation Engineering

CUI Wenjing (崔文婧)
Systems Engineering & Engineering Management

DING Qian (丁 乾)
Computer Science

FAN Congmin (樊聰敏)
Information Engineering

FU Qiurui (付秋睿)
Mathematics & Information Engineering

GAO Lu (高 璐)
Information Engineering

KWOK Tsz Piu (郭子彪)
Computer Science

LAM Leung Wing (林良穎)
Electronic Engineering

LAW Wai Hon (羅維漢)
Computer Science

LEE Wai Tong (利偉棠)
Computer Science

LEUNG Tsun Ho (梁浚濠)
Computer Engineering

LI Cheuk Tin (李卓霆)
Mathematics & Information Engineering

LI Na (李 娜)
Computer Science

LI Yan Kit (李仁傑)
Computer Engineering

LIU Ding (劉 鼎)
Information Engineering

LIU Song (劉 嵩)
Mathematics & Information Engineering

LIU Yuxiao (劉宇霄)
Systems Engineering & Engineering Management

MA Kam Yin (馬錦賢)
Systems Engineering & Engineering Management

MAK Yiu Ming (麥耀銘)
Computer Science

MAN Yin Suen (萬彥璿)
Computer Engineering

MAO Linying (毛琳莹)
Information Engineering

MAO Xiangyu (毛翔宇)
Computer Science

MUI Tin Wai (梅天威)
Electronic Engineering

NG Tsz Ching (吳子程)
Mathematics & Information Engineering

NG Wai Hang (吳瑋珩)
Systems Engineering & Engineering Management

SHEK Kai Ching Andy (石啟正)
Computer Science

SHIU Ho Ming (邵浩銘)
Computer Engineering

TUNG Chun To (童俊濤)
Mathematics & Information Engineering

WANG Chao (王 超)
Systems Engineering & Engineering Management

WEI Xiaoyao (魏瀟瑶)
Electronic Engineering

WONG Kwong Wai (黃廣威)
Electronic Engineering

WONG Pak Kan (黃柏芹)
Information Engineering

WONG Tin Wang (王天弘)
Mechanical & Automation Engineering

WONG Wing Lun (黃永麟)
Computer Science

XIE Mengjie (謝夢潔)
Information Engineering

XU Bing (徐 冰)
Mathematics & Information Engineering

XU Haotian (徐皓天)
Information Engineering

YIK Chun Keung (易俊強)
Computer Science

YUEN Chi Ho (阮志豪)
Mathematics & Information Engineering

ZHANG Huanan (張華楠)
Systems Engineering & Engineering Management

ZHANG Qi (張 琦)
Computer Science

ZHANG Yingxiao (張穎晓)
Information Engineering

香港中文大學

The Chinese University of Hong Kong

工程學院

Faculty of Engineering