



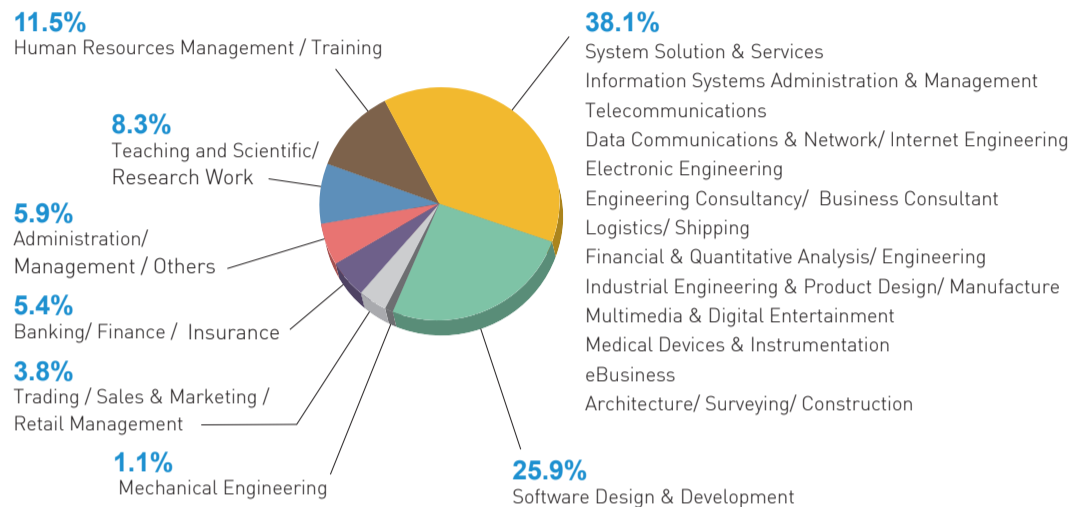
## The Promising Future of the Graduates of the Faculty of Engineering of CUHK

The Faculty of Engineering of the Chinese University of Hong Kong has committed itself to and striven to achieve the educating and training of excellent talents.

Following a constant stream of social changes and developments, there have been numerous improvements in our style of living. For example, smart phones just begin to become popular a few years ago and since then apps have bloomed accordingly. They are greatly welcomed by the users as they make our daily living more and more convenient. Therefore there is a burgeoning industrial demand for more and more programming talents. According to a 2015 employment survey by CUHK, among more than 300 graduates of Engineering, 83% have chosen to enter the job market, while nearly 13% will continue to pursue higher academic achievements.

Graduates from the Faculty of Engineering are favoured in all industries. They are still mainly employed in the engineering services including telecommunication, software development and other, at a level of around 65%. The number of those employed by finance, manufacturing and public sectors is also significant and there has been an increase compared to the preceding year before. The above findings reflect the fact that our graduates now have a host of opportunities and the career paths are very diverse and broad. They can stretch their wings and make use of their strengths in many different areas.

## Job Statistics of Full-time Engineering Graduates 2015



## GRADUATE PROSPECT

### IE Information Engineering

#### NG Chung Yin Arthur

Information Engineering 2015 graduate  
Associate, Morgan Stanley

After finishing the summer internship programme, I joined the Institutional Securities Technology Division at Morgan Stanley working on the development work of the firm's electronic trading system. Technology has become the very core of our trading and brokerage business. Revolutionary technologies are now replacing traditional trading channels and server clusters are on their way to removing humans from trading halls around the globe. It is our group's responsibility to make sure the firm's trading plants can process, efficiently and accurately, the hundreds of millions of trade messages that pass through us - everyday around the clock. There is so much to learn and I have never felt a dull moment in this dynamic environment.



#### KUO Wai Keung

Information Engineering 2015 graduate  
Co-founder & CEO, R-Guardian

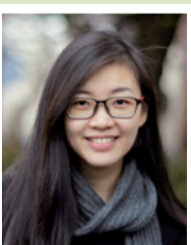
R-Guardian creates the Internet of Things of personal belongings. We cooperate with different brands to develop smart product series. R-Guardian was started as one of the Pi-team under the Center for Entrepreneurship, CUHK, and was selected as one of the top 10 start-ups in Hong Kong by the Google EYE Program last year. Now, we are stationed in Hong Kong Science Park. As a Co-Founder, my duties include R&D, purchasing & production management, decision-making and administrative work, funding and so on.



#### Mandy HO

Information Engineering 2015 graduate  
Graduate Engineer, MTR Corporation Limited

After joining the MTR Corporation Limited, it has been my pleasure to participate in a two-year training programme, to become familiarized with the operations and roles of each department, as well as with the construction of new lines. I learnt that the key of success in operating a railway does not rely solely on the rolling stock, but also the effective coordination between the signaling system, the power supply system, the main control system, etc. I am so thankful to my company, because the comprehensive training programme it offered has helped in building a solid foundation for my future development in the engineering field. I sincerely hope that through my participation in the future railway construction, I can promote community connectivity and societal development using my engineering knowledge.



## MAE

Mechanical and Automation Engineering

#### LEUNG Hiu Man, Human

Graduate Trainee (Engineering), CLP Power Hong Kong Limited

After graduating from CU's MAE, I started my career in CLP as a graduate trainee. I joined the Generation Business Group, which guarantees a reliable power supply to the New Territories and Kowloon. In my three-year university life, I majored in Mechanical and Automation Engineering and minored in Energy Technology. Working in CLP has given me the chance to apply what I have learnt. The power generation principles in "Thermodynamics" and the latest of renewable energy sources introduced in "Energy Systems" all proved to be fundamental. I will be circulating from department to department during my two years as a trainee, learning and participating in the generation process, and meanwhile I will be gaining an ever-growing appreciation of CLP's contributions to Hong Kong. The generation business is far more complicated than I had imagined. In order to sustain a steady power supply, the Operation Team requires backups from many other departments. The works in power plants are dynamic, which makes my job very challenging.



#### CHU Ki Sum

Research Assistant, Department of Mechanical and Automation Engineering, The Chinese University of Hong Kong



After graduation, I joined Prof. LIAO Wei-Hsin's team as a Junior Research Assistant in the Department of Mechanical and Automation Engineering of CUHK. My research topic is extended FYP, which is a mechanical energy harvested by a magneto rheological damper with a linear-rotary motion converter. Briefly, I am designing a regenerative damper with smart material as the damping fluid. It will be employed to convert linear into rotary motion in order to harvest dissipated energy. Upon reviewing this fruitful year, I must conclude that I have derived significant benefits from my work. I have published a conference paper as leading author, joined in some competitions and earned outstanding awards, and guided two students to the completion of FYP and master projects. I am very grateful that my professor has provided me with many opportunities and a good deal of freedom in regard to the implementation thereof. In the future, I plan to join a Mainland start-up company as a partner. The research and development that I envisage will be related to unmanned aerial vehicles.

#### YEUNG Wing-king Annabelle

Mathematics and Information Engineering 2015 graduate  
IT Graduate Trainee, Cathay Pacific Airways

In the 2-year training programme, IT trainees will take turns to join different teams in the IT department and learn the skills in business analysis, system analysis, infrastructure analysis, service management and project management. We will also start our own projects to find innovative solutions for improving airlines or IT. From time to time, we will receive soft skills training and airline workshops to ensure that we are receiving all-round development. After completing the programme, we will be qualified as IT specialists and placed in an area that aligns with trainees' interests and the company's business needs.



## MIE Mathematics and Information Engineering

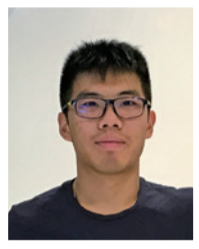




## Cindy XUE

**Biomedical Engineering 2015 graduate**  
**MPhil in Imaging and Interventional Radiology, CUHK**

I am now studying for a Master of Philosophy in Imaging and Interventional Radiology at CUHK. My daily job is Magnetic Resonance Imaging (MRI) image analysis and my tasks include data collection, image data processing and data interpretation of MRI images. My pursuit of an MPhil degree has greatly assisted me in thinking and acting more systematically and scientifically. I have also had the opportunity to meet people who have inspired me to work and study in this field.



## NAM Pak Hang

**Biomedical Engineering 2015 graduate**  
**Field Service Engineer, Philips Electronics Ltd**  
**(Healthcare System)**

I am very pleased to work in this multinational corporation. It has provided me with a complete and high-quality course of training that will enable me to develop rapidly in the biomedical engineering field. I have been learning

how high-technology medical equipment can be employed in anatomy, imaging, computer programming and electronic applications during my work here. As a biomedical engineer, I will be able to contribute to making "Healthcare" more comprehensive.

## HA Ngo Lam

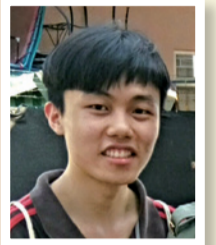
**Computer Engineering 2015 graduate**  
**Software Engineer, Compare Global Group**

Currently I am working on a front-end development project, with a scope that includes website design and function development, as well as UI and UX optimization. Since graduation, I have always used my spare time to explore new ideas with my classmates and to apply my technological knowledge in everyday life. Our project won the 2nd runner-up prize in the Open Group of the "City Challenge - Bridge to a Smarter City" organized by the Hong Kong Science Park in July 2016. We hope that this project will be able to help elderly persons who are living alone to record their living patterns, to report any abnormal conditions, and to prevent loss of life through accidents at home.

## CHAN KaWai

**Computer Engineering 2015 graduate**  
**Mobile Application Innovator, New World Development Company Limited**

Our company is working to promote the idea of "The Artisanal Movement" everywhere. I am responsible for developing mobile applications that will be used in our company and on properties under our Corporate group. We aim at providing a better workflow and a better experience in respect of residential services. I am also responsible for developing CMS, using the website to update any relevant news. I am thus able to practise what I have learned from my programme in real life, and this also helps me to build a solid foundation for the development of my career path.



## LEE King Fai

**Electronic Engineering 2015 graduate**  
**Graduate Engineer, MTR Corporation Limited**

After graduating from CUHK, I joined MTR as a graduate engineer. MTR is now the Railway Corporation with a mission to construct, operate and maintain an urban metro system to help meet Hong Kong's public transport requirements. As a graduate engineer, I have been afforded ample opportunities in various departments that have enabled me to enhance my technical knowledge in regard to train operations, management and leadership skills. Through these challenges, I have become better able to equip myself to be a professional railway engineer.



## MA So Sum Sharon

**Computer Science 2015 graduate**  
**QA Engineer, Eze Software Group**

Being a Computer Science graduate, not only can I work as a Programmer, but I am also able to serve as part of the Quality Assurance team to conduct software testing both manually and automatically. This role has offered me great opportunities to gain insight into the financial industry, which is valuable for one who wishes to immerse herself in the IT Finance sector. I am so glad to have joined such a warm and relaxing multi-national company. Cooperative working relationships are being built during the course of collaborating with colleagues of different nationalities. I am looking forward to achieving sustainable personal growth in this QA career path.



## LEE Kit Lam

**Electronic Engineering 2015 graduate**  
**Graduate Trainee, The Hong Kong and China Gas Company Limited (Towngas)**

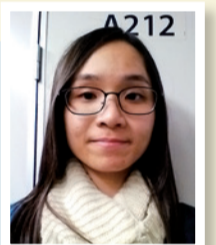
I am a Graduate Trainee at The Hong Kong and China Gas Company Limited (Towngas). The Towngas Group conducts various utility businesses in Hong Kong and Mainland China, including city gas supply, gas refilling stations, telecommunication services, and water supply and treatment as well as new energy exploration and utilization. As a Graduate Trainee, I have the opportunity to work in different departments. Apart from acquiring an understanding of theories and practices in engineering and business, I also enjoy the opportunity to communicate with and learn from senior management.



## WONG Chor Man

**Computer Science 2015 graduate**  
**Assistant Development Manager, Hang Seng Bank Limited**

After I graduated from CUHK, I started working at Hang Seng Bank Limited as an Assistant Development Manager. My job responsibilities include programme design and coding during the development phase, designing test plans and running tests during the testing phase and preparing documentation and communicating with users during various subsequent phases of the project.



## WU Pangbo

**Computer Science 2015 graduate**  
**Software Engineer, Apple Inc.**

I am working as a full-time software engineer at Apple. I am currently serving in Apple's Hong Kong office and am planning to relocate to the US headquarters in two years or so. My ultimate plan now is to pursue a Ph.D. degree in the US after working in the industry for several years. I have not yet made a choice of career plan after obtaining a Ph.D degree, but working in a university as a professor is also quite an attractive option for me.



## WONG Wai Ying Phyllis

**Electronic Engineering 2015 graduate**  
**Quality Assurance Officer, Paul Y. Engineering Groups Limited**

After I completed my bachelor's degree in CUHK, I was employed by Paul Y. Engineering Groups Limited (Paul Y. Engineering) as a Quality Assurance Officer. Paul Y. Engineering's business encompasses building services, E&M services, civil engineering, foundations and construction. Projects in which we have participated include the Hong Kong Disneyland Resort, Cyberport and Macau Studio City. My job duties primarily involve planning and implementation under the ISO 9001 Certified Management System to ensure consistent quality across different projects. In addition, I have also had the opportunity to work in E&M projects, which has broadened my horizons in various engineering disciplines and assisted me significantly in my professional development.



## HUEN Ka Chun

**System Engineering & Engineering Management 2015 graduate**  
**Graduate Trainee, 7-ELEVEN**

As I will be a graduate trainee in the Logistics Department, my job will require a thorough understanding of daily operations, e.g., layout design, delivery scheduling, food safety management and so on. Moreover, I am responsible for conducting data analysis for different projects, which in turn will help the company to seek out and recommend the most valuable options objectively. It has been said that "Retail is detail." This is not incorrect, but only if you are able to arrive at the right course in your own mind. I wish I could put the clock back as it is clear that engaging in discussions with professors and classmates is one of my most precious experiences.



## DU Liying, Dorrit

**System Engineering & Engineering Management 2015 graduate**  
**Equity Risk APAC, Support, Credit Suisse**

I am serving in the Global Markets Division as an Equity Risk IT Frontline Support person responsible for taking the ownership of said equity [???], and for investigating, logging/tracking and resolving internal user queries as well as for the managing of IT production incidents. I am required to provide sound and timely responses/advice to stakeholders from the IT perspective and to implement preventive solutions for the systems supported. As a thorough understanding of the systems as well as of the underlying business concepts is demanded, I believe that this position will serve as a good career starting point for me in the Banking Industry. Other than that, I also believe that my job is quite a good starting point in the Finance industry as I will be able to acquire business acumen and IT knowledge during on-the-job training.



## YE Hao Kai Kyle

**System Engineering & Engineering Management 2015 graduate**  
**Business Analyst, JP Morgan**

My job assignment at JP Morgan includes investigation of the impact of China's Value-Added Tax Reform and of the tax reporting process. I am also responsible for overseeing the VAT System User Acceptance Testing at nine JPMC branches in China and end-to-end software testing in Shanghai. The SEEM curriculum provides broad exposure to business subjects and engineering fundamentals. Graduates from SEEM can work in various industries, such as financial services, technology and logistics, whereby they will be able to work in techno-functional roles in collecting clients' requirements and designing software. Apart from academic studies the Department also partners with prestigious firms to shape a more practical and multi-faceted mindset, and affords one the opportunity to work in real-life projects during coursework and a Final Year Project.





## The "CUE" solar car won the "Renewable Energy Capture & Conversion Efficiency Award" 2016

The CUHK solar car team, "The CUE", won the "Renewable Energy Capture & Conversion Efficiency Award" at the "New Energy New Generation" Solar Car Competition (Tertiary Education category) organized by the Environment Bureau and Electrical and Mechanical Services Department in January 2016. Of the 14 team members, 11 students (CHAN Tsz Fung, CHUNG Tsz Yin, FUNG Tsz Hin, KWOK Siu Fung, LAI Kwun Leung, LAU Ka Chun, LEE Chun Kong, LI Lok Hin, POON Ka Kiu, YIP Chun Wa, and YIP Kwan Yi) came from the Department of Mechanical and Automation Engineering.

Led by Prof. REN Wei and assessors LEUNG Yun Yee, CHEUK Chi Ming (Department of Mechanical and Automation Engineering), the team designed and built the University's first-ever solar energy powered vehicle that rides at efficiently minimal air resistance. The carbon-fibre body of the car has also provided it with light-weight characteristics.

Another feature of the car is the ability to transform itself. When parked, is able to extend another 3 sets of solar panels. Moreover, it can perfectly fit into an ordinary parking space even after transformation. In addition, it can charge itself anywhere there is an open space without the need of an electric charging station. This design is suitable for places without sufficient charging stations, such as Hong Kong.



## MAE Student shone in HackUST

HackUST is a competition for all university students (UG/PG) or alumni to develop an app within 24 hours. This year, there are a total of 450+ participants developing in 4 categories (Gaming, Fintech, Creative, WomenTech). The gaming category had 24 teams competing for the top prize. One of the MAE Year-3 students, SANTO Royce, joined this category with 4 other members (SO Ka Ho Brian, IFRAH Leonil, NG Tsz Chiu Jack and WONG Chun Ho). With its novel and robust design, their team finally won the 2nd Runner-up award.



From left: IFRAH Leonil, SO Ka Ho Brian, NG Tsz Chiu Jack, SANTO Royce and WONG Chun Ho

### Team Members:

SO Ka Ho Brian (Department of Computer Science and Engineering, Hong Kong University of Science and Technology)  
 SANTO Royce (Department of Mechanical and Automation Engineering, The Chinese University of Hong Kong)  
 IFRAH Leonil (Department of Applied Sciences, The Hong Kong Polytechnic University SPEED)  
 NG Tsz Chiu Jack (Department of Computer Science and Engineering & Department of Electronic and Computer Engineering, Hong Kong University of Science and Technology)  
 WONG Chun Ho (Department of Psychology, The Chinese University of Hong Kong)

## PhD students achievement

PhD student, Miss FENG Qian (supervisor: Prof. BIAN Liming) has been awarded the Best Poster Prize at the Nature Conference on Tissue Engineering and Regenerative Medicine in Guangzhou in April, 2016. This conference was organized by the Nature Publishing Group, and a number of leading international researchers in the field attended the meeting.

PhD student, Miss ZHU Meiling (supervisor: Prof. BIAN Liming), received the Fondazione Trainee Award based on her submitted conference abstract from the 2016 WBC (World Biomaterial Congress) held at Montreal, Canada in May, 2016. Meiling delivered an oral presentation and collected the \$550 CAD cash award and certificate during the conference. WBC is the most prestigious international conference in the area of biomaterials hosted every four years, and it is attended by renowned researchers all over the world.



## Dr. LUO Yuan receives CUHK Young Scholar Thesis Award

Dr. LUO Yuan from Professor HUANG Jianwei's research group has received the CUHK Young Scholar Thesis Award, for her 2015 CUHK PhD thesis titled "Economics of White Space Networks". Earlier in June, she had also been accorded the Postgraduate Research Output Award for 2015.

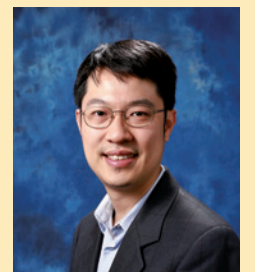


## IE Professor Angela Y.J. ZHANG elected as Fellow of IET



The Institution of Engineering and Technology (IET) is the largest multidisciplinary professional engineering institution in the world. It was formed in 2006 from two separate institutions: the Institution of Electrical Engineers (IEE) dating back to 1871 and the Institution of Incorporated Engineers (IIE) 1884. Its worldwide membership is currently in excess of 167,000.

## Faculty 25<sup>th</sup> Anniversary: Words from our professor



**SO Man Cho Anthony**  
 Department of Systems Engineering and Engineering Management

During my time at CUHK Engineering, one of the things that I have treasured most is the opportunity to interact with students and see them grow. Although students in the Faculty have very diverse backgrounds and learning needs, most of them value teachers who care about them. Through my interactions with our students, I have gained a better understanding of their struggles, thereby leading me to more effective teaching and advising strategies. Most importantly, I am able to get to know them personally and thus to build long-lasting relationships with them.

Recently, I had the privilege of serving as the Director of the Engineering Leadership, Innovation, Technology and Entrepreneurship (ELITE) Stream, which was launched in the academic year 2014-15. The Stream aims at nurturing outstanding engineering students who wish to push themselves higher and further through additional challenging coursework, as well as to gain more hands-on experience via special research, exchange and internship programmes. It has truly been a rewarding and enjoyable experience to engage such a highly motivated group of students both inside and outside the classroom. As the Stream is the first-of-its-kind in the Faculty, coming up with various implementation details is quite a daunting task. However, I am thankful to many teachers in the Faculty, who have enthusiastically supported and contributed much to the Stream. I am also grateful to the administrative staff, whose tireless efforts have ensured the smooth running of the Stream.

## Top prizes at "Challenge Cup" National Competition Hong Kong Regional Final

The "Challenge Cup" National Competition Hong Kong Regional Final – Hong Kong University Student Innovation and Entrepreneurship Competition 2016 was held in the Science Park on 22 June this year. A total of 14 teams of CUHK students, including 11 from the Faculty of Engineering, swept the top awards, receiving the highest share of awards in the competition.



More than 200 students from 13 tertiary institutions submitted a total of 103 projects for the competition, which was organized by the Hong Kong New General Cultural Association. The winning teams will represent Hong Kong at the biennial "Chuang Qing Chun" National Entrepreneurship Competition 2016. The competition will feature two categories, namely "Innovation" and "Entrepreneurship".

Selected list of award-winning projects by students from the Faculty of Engineering:

Award	Name of Project	Name of Students	Affiliated Department
<b>Category: Innovation</b>			
Top Prize and First-Class	Development of a Vacuum Nanoimprinting System for Low-cost Parallel Nanomanufacturing	CHEN Jianwei	Department of Mechanical and Automation Engineering
First-Class	VibroSAC—A Smart Cushion with Intermittent Vibration for Lowering Buttock Pressure Ulcers Risk	LIU Shiyue, YAO Yifei, JIANG Baiyan	Biomedical Engineering Programme
First-Class	Continuous Blood Pressure Monitoring System from Face Recognition	LO Po Wen, WANG Chaoqun	Department of Electronic Engineering
Second-Class	Jamming integrated compliant compressor for SBRT immobilization	Zhou Xi, Wang Ji, Li Chenglin, Wang Dien	Department of Mechanical and Automation Engineering
Second-Class	A novel supramolecular hydrogel with enhanced mechanical properties	LAU Wing Yee	Biomedical Engineering Programme
Second-Class	Unmanned Wireless Underwater Photography Submarine	ZHANG Yuanming	Department of Mechanical and Automation Engineering
Second-Class	A 3D-Printable, Servo-Motor Driven, Hingeless Prosthetic Hand Under US \$100	CHAN Sau Kin	Department of Mechanical and Automation Engineering
<b>Category: Entrepreneurship</b>			
Top Prize and First-Class	R-Guardian-Smart Personal belongings solution	KUO Wai Keung, LAU Pak Lam	Department of Information Engineering; Department of Finance in Insurance, Financial and Actuarial Analysis
Second-Class	Getaway	WANG Chak Wai, William, MUI Ka Chiu, James, NG Cheuk Ming, Harrison	Quantitative Finance and Risk Management Science; Insurance, Financial and Actuarial Analysis; Department of Computer Science and Engineering
Second-Class	Mag-dical	VONG Chi Ian, LIU Wai Shing	Department of Mechanical and Automation Engineering
Third-Class	Smart Health & Fitness Device	ZHOU Li, QIN Lai Yin, MA Hao, ZHONG Chun Hao	Department of Mechanical and Automation Engineering; Department of Biomedical Engineering



## CUHK Engineering Team won championship of Robocon 2016 contest in Hong Kong



The CUHK Engineering team "Power Shuttle" won the championship of the Best Team Spirit Award, and the Best Engineering Award in the Robocon 2016 Hong Kong Contest held jointly by the Hong Kong Science and Technology Park, Hong Kong Computing Society and the Hong Kong Institute of Engineers at the Hong Kong Science Park on 26 June 2016. "There were two Engineering teams from CUHK this year. Their perseverance and hard work resulted in a consistent and high-level performance that ultimately led to victory amongst the 11 competing teams from 6 tertiary institutions in Hong Kong," said Prof. LAU Tat Ming Darwin, one of the team supervisors from the Department of Mechanical and Automation Engineering.

The winning team, comprising 14 Faculty of Engineering students, designed and built two robots to collaboratively

complete the task of transporting a propeller to mount on a wind turbine to win the contest. They represented Hong Kong at the ABU Asia-Pacific Robot Contest 2016 in Bangkok in August 2016.

The "Power Shuttle" team, supervised by Prof. LIU Yun Hui, Prof. LAU Tat Ming Darwin, Prof. LIAO Wei Hsin, Prof. CHEN Shih Chi, Mr. YIP Chun Wa, Mr. CHEUK Chi Ming, and Mr. LEUNG Yuk Yee Martin, consists of a group of energetic students, namely: YIP Ka Chun, LAM Lee Shan, CHENG Ching Hei, CHUNG Tsz Yin, LEE Chun Kong Yin, LIU Ho Man, CHIU Sin Hang, LEUNG Chun Hei, WONG Tsz Hin, LEI Wing Yeung, POON Ka Kiu, KWOK Chung Yan, HO Chung Yan, and LAU Chi Ho. Eight members of the group came from the Department of Mechanical and Automation Engineering.

## Prof. Helen MENG receives the 2015 Outstanding Women ICT Professional Award, the first year that this award is launched by the Hong Kong Computer Society

Prof. Helen MENG receives the 2015 Outstanding Women ICT Professional Award, the first year that this award is launched by the Hong Kong Computer Society. This Award recognizes the individual's professional contribution to the ICT Industry, leadership and role, past ICT achievements and community contributions.

Helen MENG is Professor and Chairman of the Department of Systems Engineering and Engineering Management at CUHK, Founding Director of the CUHK MoE-Microsoft Key Laboratory for Human-Centric Computing and Interface Technologies, and the Stanley Ho Big Data Decision Analytics Research Center, and former Associate Dean of Research. Previously, she has received the CUHK Faculty of Engineering's Exemplary Teaching Award, Young Researcher Award and Service Award. In 2009, she received the Ministry of Education Higher Education Outstanding Scientific Research Output Award. She was elected ISCA Distinguished Lecturer in 2015 and Microsoft Research Outstanding Collaborator in 2016.

Prof. MENG said, "I am most honoured to receive the 2015 Outstanding ICT Women Professional Award. I sincerely thank the Hong Kong Computer Society and its FACE Club for launching this initiative, together with the Outstanding ICT Supergirls Award which recognizes young female talents showing great promise in the field of ICT. I am delighted that 2 CUHK engineering students, Miss Esther LEUNG and Miss YUNG Man Lee are recognized as Outstanding ICT Supergirls. CUHK and especially the Faculty of Engineering strives to support gender diversity and we are thankful for that."



44<sup>e</sup> Salon International de Inventions Genève 13-17 avril 2016



## Prof. TONG Kai Yu Raymond won a Gold medal at the International Exhibition of Inventions of Geneva

The project "Wearable Exoskeleton Robot for Walking" from Professor TONG Kai Yu Raymond (Division of Biomedical Engineering, Department of Electronic Engineering) won the highest category in the gold medal with the congratulations of the jury at the 44th International Exhibition of Inventions of Geneva, which ran from 13 to 17 April 2016 and attracted a total of 695 exhibitors from 40 countries with 1,000 inventions.

## CUHK ranked no. 1 in HK in the subject of electrical & electronic engineering



QS (Quacquarelli Symonds) World University Rankings (2016), which highlight the world's top universities in 42 subjects based on academic reputation, employer reputation and research impact, indicated that Department of Electronic Engineering in the Chinese University of Hong Kong ranked top 20 worldwide and top 1 in Hong Kong.

## INNOVATION AND TECHNOLOGY STUDENT CLUB



With a view to preparing Hong Kong to face upcoming challenges and to develop into a knowledge-based economy, the Faculty of Engineering of the Chinese University of Hong Kong (CUHK) has proposed the establishment of an "Innovation and Technology Student Club" (ITSC) jointly with the Innovation and Technology Commission (ITC). Our vision is to nurture young talents to become future elite technological pacesetters who will contribute to the development of Hong Kong. Since May of 2009, we have recruited around 1,700 secondary students with similar interests in science and engineering.



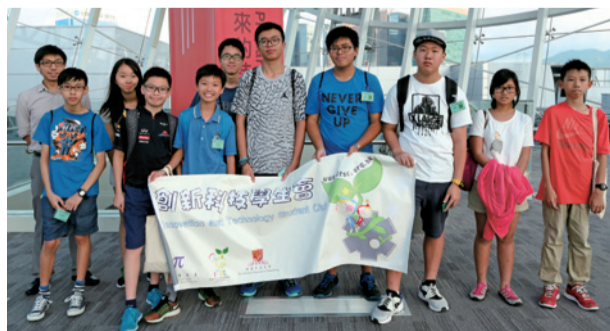
During the technology company visit, we took a photo with Mitsubishi Electric (HK) Ltd's CEO Mr. Akamoto



Flight simulation in CAD



ITSC members playing the newest VR game during their lab visit



Group photo in the sky garden of EMSD

From 18 to 21 July 2016, the "Green X Engineering X Energy Crisis" Summer Camp was held with the full support of and sponsorship from Mitsubishi Electric (HK) Ltd. With the incentive of enriching participants' scientific knowledge, activities such as talks about energy, green hunts on campus, technology and laboratory visits, games designed by University students, and PPG workshops and the like were all organized in the Camp.

During the summer holiday, ITSC planned a series of science and engineering activities, including:

- Research Mentorship activities, e.g., DIY 3D printer, Arduino hardware and software gadgets
- Workshops, e.g., DNA Fingerprints, Computer Game Development + Lab Visits
- Visits: Civil Aviation Department, EMSD, Science Explorer, Kone Elevator, Time Medical Systems, Inc. with BioMedical MRI R&D, Beijing Genomics Institute in Shenzhen, BYD, etc.

More and more activities will surely surprise you...

Take action now to apply for ITSC membership and also to "Like" us in Facebook in order to receive ITSC news first-hand.

ITSC is planning various activities such as:

Technology reporting, research internships, technology ambassadorships, workshops, summer camp... You may view more of our activities on our website, Facebook and on the YouTube channel as follows: [www.itsc.org.hk](http://www.itsc.org.hk), [www.facebook.com/ITSC.HK](http://www.facebook.com/ITSC.HK) and [www.youtube.com/CUHKintec](http://www.youtube.com/CUHKintec).

If you are a secondary school student, you are welcome to join our activities by applying to become a member through <http://www.itsc.org.hk/chi/membership.html> online. By joining our membership programmes, you will be able to take part in most of our activities free of charge.

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