

# ENGAGE 程繫中大

Faculty of Engineering, The Chinese University of Hong Kong Issue 31, September 2018 English Edition  
<http://www.erg.cuhk.edu.hk> [facebook.com/cuhkeng](https://www.facebook.com/cuhkeng)



## WOMEN IN ENGINEERING

### IE

Information  
Engineering

### CHEUNG Sin Yi Tracy

2011 BEng (IE)  
Senior Solutions Consultant,  
IT Consulting Solutions Limited

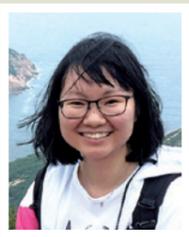
Since my graduation from Information Engineering and Business Administration in CUHK, I have been working in the IT consulting field for almost 6 years. Some people may think working in IT is boring. However, it is interesting to connect the dots from business side and technical side as an IT consultant. I have to manage multiple projects at the same time. I have the chance to talk to C-level executives on a company's strategic direction, department heads on their business initiatives, and frontline officers on their operational processes. With the APAC projects on hand, I travel frequently, usually to Australia, Singapore, and Japan. Working in IT consulting is exciting, rewarding, and with great exposure as well!



### DENG Yulin

2008 BEng (IE), 2012 MPhil (IE)  
Senior Technical Analyst, Orient Overseas Container Line Limited

I acquired both my undergraduate and postgraduate degrees from Information Engineering of CUHK. Throughout the years of studies, I developed analysis and programming skills through many class projects, lab assignments and research projects. I started my first job in a shipping and logistics company. I've joined various job rotations and assignments, including configuring system products and devices, web UI development, backend process enhancement as well as system design.



Recently I've participated in a project that applies the mathematical model to optimise business fulfilment and reduce costs. By co-operating with teams from different departments, we've learnt not only that the effectiveness of the model impacts the success of the product, but how well it supports the practical operations also plays a crucial role in smoothing the adoption process. Sometimes it's not easy to discover a solution or overcome technical obstacles, but the journey of exploration, wrapping your head around existing problems and seeking a breakthrough, is fruitful and full of excitement in and of itself.

### LEUNG Kwan Fong Erica

2009 BEng (IE), 2011 MPhil (IE)  
Finance Project Manager, J.P. Morgan

When I was a student in Information Engineering, I was interested in building technology systems that automate the manual and tedious tasks in life. After my graduation, I joined an investment bank as a Technology Project Manager. I was involved in numerous technology-related projects with a variety of objectives, from new banking products to process automation. Then, I further changed my field into Finance as a Project Manager. Acquiring finance knowledge was hard at first, but it enables me to connect technology with accounting principles. Aside from work, I like exploring new coffee shops, and learning more about Chinese medicine. The world is big. Exploring more in life makes me feel better within myself and enables me to keep connected with the ever-changing environment.



### SO Ka Yan Winnie

2014 BEng (BME)  
Data Scientist, AXA

I began my career as a data scientist at local startups. I was involved in a number of analytics projects, such as route optimisation for GOGO VAN and animal bio signal analysis for ANIWEAR. This year, I joined the AXA Analytics and Big Data Team. Using my biomedical knowledge and engineering skill, I help improve the health insurance claim data quality. My job also includes employing machine learning and data visualisation techniques for business modelling, such as fraud detection and product propensity prediction. Commercial industry emphasises customer-centric innovation such as digital transformation for more readily available and seamless services. These tasks require communication and critical thinking apart from technical know-how that I am glad to have equipped myself with during my studies.



**BME**  
Biomedical Engineering

### WONG Sze Wing

2013 BEng (BME)  
Assistant Product Support Manager, Ortho Clinical Diagnostics

I am among the first batch of BME graduates from the CUHK BME programme. After my graduation in 2013, my first job was with Johnson & Johnson. As a Product Support Specialist in the field of diagnostics, I feel that my strong background in BME has equipped me with insights of clinical chemistry, immunoassay theory, and analytical technologies. (My hard work in anatomy and physiology courses finally paid off!) In summary, my solid background facilitated my technical discussions with doctors and healthcare professionals. After 5 years of work in diagnostics field. Now, I am leading a team of application specialists to conduct training and troubleshooting of various clinical analysers in public and private hospitals.

Studying in CUHK BME will always be a blissful memory.



### WONG Siu Yee

2014 BEng (BME)  
Assistant Engineer (Electronics), Electrical and  
Mechanical Services Department

My life has been fruitful after graduation, filled with formal training, responsible engineering experience and exposure in a professional institution.



I have undertaken Scheme A training at the EMSD for 2 years and have been working since as assistant engineer. During my Scheme A training, I had wide exposure to healthcare-related projects, gaining hands-on experience in managing biomedical and electronics projects, devising equipment maintenance strategies, investigating medical device incidents, and etc. Now, I am serving as an Assistant Engineer at the Health Sector Division of EMSD, responsible for project management for the Hospital Authority and Department of Health. Besides work, I also participate in HKIE events, with an aim of advancing my career path and contributing to my profession.

**CSE**  
Computer Science  
and Engineering

### CHOW Yuen Yu

2013 BSc (CSE)  
Front Office Applications Analyst Investment Manager, AXA

Back in 2013, when I was a fresh graduate in Computer Science, most of my classmates either got offers of employment or were already running their own businesses since their final year. These success stories gave me confidence in pursuing a career in engineering.

Over the years I've had many job interviews and good job offers, but I can tell you that as a woman in engineering you do face certain challenges. It's a male dominated field so life is far from perfect. As a woman in engineering, you are bound to come up against male prejudice, challenges to your technical capabilities and essential knowledge. But bear this in mind, and believe me, there is no reason at all why you should not be as good, and even better, than your male colleagues.

And the good news is that business these days is finally recognising the value of gender equality in the workplace, recognising that the balance of the sexes in all areas, including the technical disciplines, is not simply fair but genuinely profitable. I truly believe that the demand for female engineers has only just begun and will grow exponentially over the next ten years.

Ladies, if you are passionate about it, now is the time to hone your engineering skills!





Electronic Engineering

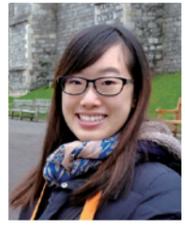
## MOK Pak Ning Niki

2013 BEng (EE)  
Railway Safety Engineering Consultant, Ricardo

I have been working in Railway Safety Engineering for 5 years, and have recently gone through a transition to work abroad in the United Kingdom.

I entered the railway industry as a Railway Engineer after my graduation, working for MTR projects in Hong Kong. During my employment with Siemens Mobility HK, I was responsible for delivering System Assurance and Electromagnetic Compatibility (EMC) services for the Shatin to Central link Communications System and Railway Control Systems. My daily tasks included reviewing design documents and drawings, producing Reliability, Availability, Maintainability and Safety (RAMS) analysis reports using simulation software and conducting Electromagnetic Compatibility tests in the laboratory. These gave me an appreciation on the vital role I was playing to assure the modified railway system was integrated safely and that the design was fit for purpose.

I have always believed that you can't put a limit on anything. Despite all the obstruction and uncertainties, I decided to head off to London to develop my portfolio in the UK railway industry. Now, I am a Safety Engineering Consultant in Ricardo Rail working in the Paddington office, London. I am glad to gain hands-on experience of safety-critical projects like Rolling Stock and Signalling and Command systems for the largest rail modernisation projects in UK such as the ETCS re-signalling for IP Western and Wales and Hitachi Rolling Stock for ScotRail and Intercity Express Programme.



Mechanical and Automation Engineering

## YIP Hiu Man

2010 BEng (MAE)  
Postdoctoral Fellow, Department of Mechanical and Automation Engineering

After graduation, I worked as a research assistant in the Department of MAE. And started pursuing my postgraduate studies in the same department a year later. Over the years, I have been involved in different research projects; projects related to computer vision, technological education, robotics, etc. As an engineering researcher, I also treasure the opportunity to be involved in cross-disciplinary research with people in different fields (e.g. medicine, social science). Currently, my research mainly focuses on medical robotics, in particularly mechanical design and integration.

I am pleased to have the chance to present our work via international journals, conferences, and exhibitions. This also gives me a great opportunity to learn from experts in the field. As part of my postgraduate study, I have also been working as a teaching assistant. Being a graduate of MAE, it is my honour to have this chance to consolidate what I've learnt in my study and share my experience with students.



## OR Pui Ying Jessica

2008 BEng (EE), 2010 MPhil (EE)  
Assistant Fuel Supply Manager, CLP Power Ltd

Upon graduating I joined CLP and having gone through the HKIE Scheme A training, I rotated through various departments to familiarise myself with the company's complete operations. Currently, I am working in the fuel procurement team in CLP Power, mainly focusing on purchasing the natural gas and oil that are required for power generation.

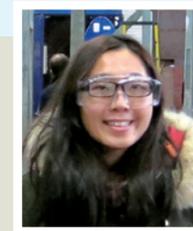
Beyond work itself, lifetime learning is important to me. I have further pursued a Bachelor of Law degree in the University of London and, more recently, went to Switzerland to attend a short course on business strategy and leadership training arranged by my company. I enjoy exploring new ideas and concepts, just as much as I did in the good old days in EE Department, when I was exposed to so many new ideas through research and experiment.



## POON Hiu Ching

2009 BEng (EE), 2012 MPhil (EE)  
Assistant Electronics Engineer, Electrical and Mechanical Services Department

I have pursued a fulfilling and rewarding career in Electrical and Mechanical Services Department of the Hong Kong Government. After completing my Engineering Graduate training in EMSD, I am now an Assistant Electronics Engineer. I am so glad and thankful that I can contribute my knowledge and skill to society at large. The EE Department will always be a special place for me, a place that equipped me not only with the capabilities to pursue my goal of being an engineer, but also left me with lovely memories of my classmates, professors and department staff. I treasure the valuable time spent in the EE and CUHK!



## CHAN Wai Sheung Michelle

2011 BEng (MAE)  
Assistant Electrical and Mechanical Engineer, Electrical and Mechanical Services Department

To explore possibilities early on in my career, I have worked in an engineering contracting company, and an engineering consulting firm after graduation. I am currently working for the government. It has been fascinating for me to experience different roles in Electrical and Mechanical (E&M) engineering field. From acquiring on-site technical knowledge to verifying engineering design, these experiences have enhanced my problem solving skills and engineering knowledge.

As an assistant engineer in the government, I found it both challenging and rewarding to monitor the operation and maintenance of E&M facilities in a hospital because of my duty to thousands of lives. I am grateful to MAE as well because that's where I met my husband, who was my classmate, and where I established some long-lasting friendships with classmates. It is always delightful to meet up with them socially to share our daily life and work experience.

## Law Shuk Yee Zoe

2012 BEng (MAE)  
Engineer, The Jardine Engineering Corporation Limited

"As a woman, why do you choose a job that requires working in a construction site as opposed to a comfy office job?" This was one of the questions put to me at my job interview. My answer remains the same: "Working in JEC, I can participate in electrical and mechanical system installation and machinery and plant construction. The construction process starts from zero and then builds up step by step. Finally, the system or machine can be put into operation. Through the whole process I derive great satisfaction and genuine sense of accomplishment." You will face different challenges in design, site management, construction arrangement and project management every day when you work as an engineer in the construction industry. This may make you feel exhausted. However, I know the effort I put in will help achieve the project goal, and the final success of the project will always keep me working hard in engineering industry.



## CHAN Kit Ting Kitty

2008 BEng (SEEM)  
System Analyst, Hong Kong College of Technology

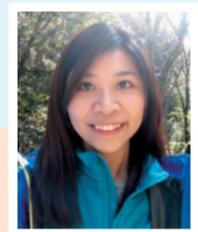
I am now working as SA in Hong Kong College of Technology, responsible for providing support and maintenance of existing systems and developing new ones. I have worked in a bank, an insurance company and in retail before, where the jobs were quite challenging but well-paid. Though I face a different set of challenges in the education field, the environment affords me a work-life balance that is very rewarding.



Systems Engineering and Engineering Management

## WONG Ka Man Carmen

2010 BEng (SEEM)  
Security Consultant, Trend Micro Limited



I work at Trend Micro Limited as a Security Consultant. Besides presenting our company products, I do one-on-one demonstrations for interested customers, and of course solve the particular technical challenges they face. And with different cases to handle every day, work can be challenging.

Since I graduated, I have been working in the IT industry. I have tried different positions, such as an operator in a data centre, at the help desk in a call centre and as a Network Engineer to configure network appliance at different sites. Sometimes it was shift-work, and other times I was on 7x24 stand-by. Work in the IT industry is certainly not exclusively office hours. Having moved about a bit now, I've found what suits me best — this is something that you can only find out for yourself.

## NG Pui Man Emily

2012 BEng (SEEM)  
Supply Chain Planner, PANDORA

I work as a supply chain planner for the jewellery brand, PANDORA. Founded in Denmark in 1982, PANDORA is one of the most famous jewellery brands in the world, selling in more than 100 countries on six continents through 7,700 points of sale. My team and I are responsible for supply chain related tasks including forecast and planning, inventory management, system maintenance and handling quality issue. For me, the most difficult task for supply chain management is to provide accurate forecasts to ensure stock availability and at the same time maintain optimal inventory level. Although it is challenging sometimes, I have a lot of fun working with my team providing customers with quality products and good service.



## BME Team Won 1<sup>st</sup> Place at the IEEE EMBS 2018 Brain-Computer Interface (BCI) Hackathon

Team "Phoenix" from Department of Biomedical Engineering won the 1<sup>st</sup> place at the IEEE EMBS 2018 Brain-Computer Interface (BCI) Hackathon in Honolulu. This competition, which attracts developers, technologists, engineers, students, and scientists from all over the world, is organised by IEEE EMBS (Engineering in Medicine and Biology society) and IEEE Brain. Members of "Phoenix" spent a solid 24-hour stretch brainstorming and building solutions to the BCI project and finally succeeded in using brain motor imagery signals to control in real-time both the external orthosis robot hand and software BrainRacers Unity game.



The winning team "Phoenix" from CUHK was comprised of three PhD students: BAO Shichun, WANG Xin, and FANG Yuqi, and was supervised by Professor Raymond TONG.

## Prof. Yufei TAO Received PODS 2018 Best Paper Award

Prof. Yufei TAO from Department of Computer Science and Engineering has received the PODS 2018 Best Paper Award, for the paper titled "Entity Matching with Active Monotone Classification." This is a single-authored paper.

The annual ACM SIGMOD/PODS Conference is a leading international forum for database researchers, practitioners, developers, and users to explore cutting-edge ideas and results, and to exchange techniques, tools, and experiences. The conference includes a fascinating technical programme with research and industrial talks, tutorials, demos, and focused workshops. It also hosts a poster session to learn about innovative technology, an industrial exhibition to meet companies and publishers, and a careers-in-industry panel with representatives from leading companies.



## A Newly Launched Project : Robotics, STEM and Green Innovation (2018-2020)

With funding support from the Innovation and Technology Commission, and sponsorship from the Hong Kong Science and Technology Parks Corporation and Mitsubishi Electric (Hong Kong) Limited, The Chinese University of Hong Kong co-operates with the Hong Kong Technology Education Association to launch a two-year project called 'Robotics, STEM and Green Innovation'.

It is a project combining STEM education and green technologies. There are three elements including training, competitions and exhibitions. In the first place students are given some basic knowledge right across the disciplines. They can then develop and apply their problem-solving skills to issues of daily life through robotics construction and innovative design. Finally, the fruits of their endeavours in each of the subject competitions can be shared through public exhibitions.

The competition includes three parts: robotic challenges (Hong Kong Tech Challenge), robotic implementation of Chinese cultural arts (6-Art robotics), as well as green technologies (Green Classroom). Winners of a selected competition may be nominated to represent Hong Kong in the World Robotics Championship in the USA.

The goal of the programme is to nurture a diversity of talent in enhancing the international competitiveness of Hong Kong in future. There are currently about 100 primary and secondary schools in the programme.

For more details, please visit [www.6artsplus.com](http://www.6artsplus.com).



Group photo of winning teams in 6-Art Robotics Competition



Group photo of the final 16 teams in Hong Kong Tech Challenge



Nearly 90 teachers from 66 primary and secondary schools attended the kick-off ceremony.



Winners of Hong Kong Tech Challenge will be nominated to join the World Robotics Championship in the USA.

## Music Adds to Work Life Balance in Engineering



The Engineering Annual Concert has been running since 2005. Every year, Engineering staff, alumni and students perform beautiful music at the Lee Hysan attracting an audience from all over the University. This yearly event is organised by staff and students and supported by the Engineering faculty office and the Deans.

The main objective of Engineering Annual Concert is to bring together music lovers and friends of the Faculty of Engineering to provide an opportunity to show their musical talent. As they prepare for the concert, they get to make new friends and work together in a relaxed and harmonious atmosphere of rehearsals. Different genres of music are all welcome, be they ancient or modern, classical or pop, Western or Chinese. We'll play anything as long as it is fine music.

It is a good opportunity for students to improve their organisational and management skills, as staging such a function gives a good taste of how an event should be properly organised. The goal is simple, students from different departments work together to create a memorable concert for the audience.

It is hoped that the tradition of the Engineering faculty can be carried on, providing a time and place for everyone to relax, and adding a little balance to life at CUHK.

## Prof. Raymond YEUNG Develops BATS Code for Efficient Network Transmission

A research team led by Prof. Raymond W. YEUNG, Choh-Ming Li Professor of Information Engineering and Co-Director of the Institute of Network Coding (INC) at CUHK, has invented BATched Sparse code (BATS code) to improve the network transmission rate of networks with packet loss. The team is now in the process of applying to Institute of Electrical and Electronics Engineers (IEEE) to make it one of the international wireless communication standards.



## CUHK Team Won in the PwC HackaDay 2018

CUHK has won the Inter-University Capture The Flag (CTF) competition in this event in Hong Kong for the second year in a row. This year there were nine teams in this intensive competition. The winning team "g33z" are: Siu-chun CHAN (MIEG), Shing-yuet LEUNG (MIEG), Cham-fei TONG (CS), and Yihui ZENG (MATH). They are all Final Year students.

## SEEM Student Received the Best Student Paper Award at SPAWC 2018

Ms. Sherry Xue-Ying NI, PhD student of the Department of Systems Engineering and Engineering Management, receives the Best Student Paper Award at the 19<sup>th</sup> IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC 2018) for her paper titled "Mixed-Integer Semidefinite Relaxation of Joint Admission Control and Beamforming: An SOC-Based Outer Approximation Approach with Provable Guarantees", co-authored with her PhD advisor Professor Anthony Man-Cho SO.

SPAWC is the flagship workshop of the Signal Processing for Wireless Communications and Networking Technical Committee (SPCOM-TC) of the IEEE Signal Processing Society. SPAWC 2018 features a Student Paper Competition, where the finalists present their research in a poster format evaluated by a team of judges.



## BME Team Won 2<sup>nd</sup> Runner-up at Group Sense Innovation and Enterprise Competition



Mr. IAM Wai Yin Kelvin and Mr. LI Cheuk Man Chapmann from the Department of Biomedical Engineering won the 2<sup>nd</sup> runner-up prize of Group Sense Innovation and Enterprise Competition, which was organised by the United College, CUHK. The competition aims to encourage students to develop innovative ideas or products and to design a business plan for commercialisation of the related projects.



## “Challenge Cup” National Competition Hong Kong Regional Final 2018

CUHK won eighteen awards in the “Challenge Cup” National Competition Hong Kong Regional Final – Hong Kong University Student Innovation and Entrepreneurship Competition 2018. The “Challenge Cup” National Competition Hong Kong Regional Final was organised by the Hong Kong New Generation Cultural Association. More than 560 students from 19 tertiary institutions with 188 projects took part.

### Innovation Category

The “An Efficient Assessment Tool for Child Speech Disorders Based on Intelligent Speech Technology”. They aim to develop a user-friendly mobile application which can help parents identify speech disorders in children. The team is now building an algorithm that can analyse and transcribe a set of Cantonese sounds and point out error patterns, based on speech recognition, machine learning and sound data.

Another project winning the Innovation Award and also a Second-Class Award in Life Sciences was “Capillarised Myocardium Biochips for Personalised Therapeutic”. The team has combined soft lithography technology developed in engineering fields, a novel cell patterning method and hydrogel fabrication to create micro-scale structures in biomaterials.

### Entrepreneurship Category

In Hong Kong, over 70% of the elderly suffer from one or more chronic illnesses and require medicine daily. However, some of them may skip doses or are “non-compliant” with their prescription drugs orders because of poor memory or vision problems. LI Cheuk-man Chapmann, a student from the Department of Biomedical Engineering and his teammates have set up a “Simplify Tech” team and designed an all-in-one pill management system “Treasure”. To provides proper storage and automatic dispensing for up to 10 types of pill. It can also input the dosage and frequency of medication by scanning information on prescription bags and give a reminder to patients.

List of CUHK Engineering awarded projects:

Award	Name of Project	Name of Student	Affiliated Department
<b>Category: Innovation</b>			
<b>First-Class and Innovation Award</b>	An Efficient Assessment Tool for Child Speech Disorders Based on Intelligent Speech Technology	NG Si loi, JIANG YI	Department of Electronic Engineering
<b>First-Class</b>	Design and Control of a Biomimetic Robot Fish With Active Body and Compliant Tail	XIE Fengran	Department of Mechanical and Automation Engineering
<b>Second-Class and Innovation Award</b>	Capillarised Myocardium Biochips for Personalised Therapeutic	PANG Tak Keung Bruce, OOI Hon Son	School of Biomedical Sciences, Department of Biomedical Engineering
<b>Second-Class</b>	Development of a High-speed Stealth Laser Dicing System Based on Multi-depth Bessel Beams	LEE Hiu Hung	Department of Mechanical and Automation Engineering
<b>Third-Class</b>	IoT Fuzzer: Discovering Security Vulnerabilities in IoT through App-based Fuzzing	CHEN Jiongyi, SUN Menghan	Department of Information Engineering
<b>Third-Class</b>	ICOvisor	YING Yau Kit Stanley, Simon WONG, Max LAM, Renee LEUNG, LAM Yip Fu, CHOW Chi Choi	Department of Systems Engineering and Engineering Management, Quantitative Finance Programme, Department of Computer Science and Engineering
<b>Merit</b>	The Detection of Content of DEHP in Food by the Combination of NADP/NADPH Assay Kit and Enzymes	CHIU Wai On, FOK Chi Hong, LAM Hon Sum, LIM Lok Ping	Department of Biomedical Engineering, Cell and Molecular Biology Programme
<b>Merit</b>	The Smart Water Dispenser that Assists Visually Impaired People	CHEN Zetao	Department of Information Engineering
<b>Merit</b>	Large Scale Artwork Painting for Architectural Designs Using a Cable-driven Robot with Serial Robot arm End-effector	TAM Sau Wai	Department of Mechanical and Automation Engineering
<b>Merit</b>	The AuLaitino	SZE-TO Koon Fung, LAW Chi Leung, LAI Chun Kit	Department of Mechanical and Automation Engineering
<b>Category: Entrepreneurship</b>			
<b>First-Class</b>	Treasure Home-used Pill Manager	IAM Wai Yin, Chapmann Cheuk-man LI, (Nathaniel HO, HUANG Chuen-Wei, TSANG Ming Hei)	Department of Biomedical Engineering, (The Hong Kong Polytechnic University, The Open University of Hong Kong)

### ENGAGE EDITORIAL BOARD

Editor-in-Chief Prof. Cheng Kwok Keung Michael / Deputy Editor Prof. Wong Kam Fai / Editorial Members Prof. Zi Yunlong, Ms. Winnie Chan, Prof. Chen Nan, Ms. Natalie Fung, Ms. Fiona Lam, Ms. Sally So, Ms. Cathy Tang  
 Contact Us engage@erg.cuhk.edu.hk / www.facebook.com/cuhkeng / Faculty of Engineering www.erg.cuhk.edu.hk / Biomedical Engineering www.bme.cuhk.edu.hk / Computer Science and Engineering www.cse.cuhk.edu.hk  
 Electronic Engineering www.ee.cuhk.edu.hk / Energy and Environmental Engineering www.eeen.cuhk.edu.hk / Information Engineering www.ie.cuhk.edu.hk / Mathematics and Information Engineering www.mie.cuhk.edu.hk  
 Mechanical and Automation Engineering www.mae.cuhk.edu.hk / Systems Engineering and Engineering Management www.se.cuhk.edu.hk / Financial Engineering http://fintech.se.cuhk.edu.hk

## Underground Wireless Sensor Network for Smart Drainage System

A research team led by Prof. WU, Ke-li, Department of Electronic Engineering, has co-operated with the HKSAR Drainage Services Department (DSD), and Logistics and Supply Chain MultiTech R&D Centre (LSCM) to develop a wireless network for a smart drainage system to provide real-time information on drainage performance, concentration of gases and water level. The team overcame the challenging environment for wireless communication underground by creativity using the manhole cover as a part of its integrated sensor module and ubiquitous wireless network for detecting concentration of gases and water level. The improved wireless sensors have been installed and tested in hundreds of manholes in Kowloon Bay district and have proven effective in safeguarding the drainage system of the city.



## INNOVATION AND TECHNOLOGY STUDENT CLUB



With a view toward Hong Kong for upcoming challenges and developing a knowledge-based economy, the Faculty of Engineering of the Chinese University of Hong Kong (CUHK) proposes to establish 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 technological elites who will contribute to the development of Hong Kong.

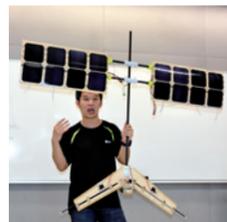
To prepare Hong Kong for future challenges and to foster a knowledge-based economy, the Faculty of Engineering, the Chinese University of Hong Kong (CUHK) established “Innovation and Technology Student Club” (ITSC) jointly with Innovation and Technology Commission (ITC). Our vision is to nurture young talent to become the future technology elite who will contribute to the development of Hong Kong. Since May of 2009, we have recruited over 2000 secondary students with similar interests in science and engineering.

From 18 to 20 July 2018, “Green X Engineering X Energy” Summer Camp was held with the full support and sponsorship from Mitsubishi Electric (Hong Kong) Ltd. With the incentive of enriching participants’ engineering knowledge and experiencing University life, there were activities like talks about energy, green hunt in campus, technology and R&D lab. The summer camp also organised field trips to see a solar-powered plane and Robocon, the Arduino computing workshop for a better green home, and an evening discussion with Dr. TONG Siu Sing about his student life and subsequent work.



With the Chairman and Managing Director Mr. JUN Hasegawa, on our visit to Mitsubishi Electric (Hong Kong) Limited

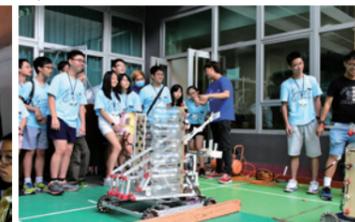
Department head, Jackie offering an explanation in MEHK’s showroom



Displaying solar panels that enable the plane to fly no-stop for 24 hours



Visit ISEIS



Robocon team showcasing their competition robots



Dr. TONG Siu Sing spent an evening chat with us and shared about his student life, majoring in physics, and his fun time on TV, his enthusiasm as well as for STEM education with primary students.



We learned the basics of the Arduino platform with different sensor functions such as light sensor, distance sensor, IR sensor, temperature sensor and more.

Act Now to apply for ITSC membership and also “Like” us on Facebook to receive ITSC news first hand.

ITSC is planning various activities like technology reporter, research internship, technology ambassador, summer camp, as well as workshops for coming March and summer. You may view more of our activities on our Facebook website and YouTube channel as below: [www.itsc.org.hk](http://www.itsc.org.hk), [www.facebook.com/ITSC.HK](http://www.facebook.com/ITSC.HK) and [www.youtube.com/CUHKcintec](http://www.youtube.com/CUHKcintec).

If you are a secondary student, you are welcome to join our activities by applying to become a member through <http://www.itsc.org.hk/chi/membership.html> online (free). Most activities will all be free of charge to members.