

# SENG NEWS

JUL 2017 - ISSUE 16

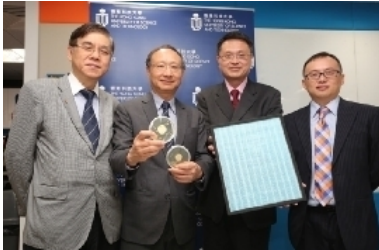
## WE MADE HISTORY

First Asian Champion Team in MATE International ROV Competition



### Research Excellence

#### HKUST Developed Novel Air Purification Technology that Removed Deadly Airborne Viruses



Researchers at HKUST have developed an air purification system that removes up to 99.999% of airborne bacteria and viruses, including influenza (H1N1, H3N2), EV71 and MERS-Cov (Middle East Respiratory Syndrome Coronavirus) that had caused hundreds of deaths across the Middle East and Asia two years ago. [Read More](#)

### Faculty Achievements

#### Leading Environmental Engineer Prof Guanghao Chen Became the First Hong Kong Recipient of National Innovation Pioneer Award



Prof Guanghao Chen, Chair Professor of Civil and Environmental Engineering, has been named a recipient of the prestigious National Innovation Pioneer Award (全國創新爭先獎) that was newly established by the Central Government this year. The award recognizes teams and individuals who made outstanding achievements in scientific research, technology development, infrastructure, engineering, advancements in the industries and enterprises, and contributions to the larger society. [Read More](#)

#### Prof Kei May Lau Honored with IEEE Photonics Society Aron Kressel Award



### Student Achievements

#### HKUST ROV Team Seized Asia's First Championship in MATE International ROV Competition 2017



The HKUST Remotely Operated Vehicle (ROV) Team made history by winning the All-Around Champion and Safety Conscious Award in the 2017 MATE International ROV Competition which was held on June 23-25 in California, US. This is the first time for an Asian team to receive the championship in this international competition over the past 16 years. [Read More](#)

#### HKUST Named Champion of Robocon 2017 Hong Kong Contest – 8th Victory Since 2004



The Robocon sub-team of the HKUST Robotics Team was crowned champion in the Robocon 2017 Hong Kong Contest, which is their 8th time since the competition was launched in 2004. The team will represent Hong Kong to participate in ABU Robocon 2017 which will be held in Tokyo, Japan on August 27. [Read More](#)

### Community Engagement

#### HKUST Underwater Robot Competition Promoted STEAM Education to Youngsters from a Wide Spectrum



HKUST hosted its annual Underwater Robot Competition and a record high 300 students from 42 different primary and secondary schools signed up for the four-day event. [Read More](#)

### Campus News

#### World Experts in Big Data and Artificial Intelligence Gathered at HKUST to Share Insights into Future



The Big Data Institute (BDI) of HKUST played host to a stellar assemblage of world top academics and industry celebrities in the realm of Big Data and Artificial Intelligence, sharing information and insights into the future of this trendy field on May 26. Since the establishment of the BDI in 2016, its first Big Data and AI Day drew a learned audience of over 500 guests, including local and overseas academics, leaders in the Big Data and AI-related industries, as well as students from various tertiary institutions in Hong Kong and abroad. [Read More](#)

#### Student-Led HKUST Aero Day Raised Interest in Aerospace Engineering and Fostered Links with Industries



HKUST organized Aero Day on April 24 on campus to introduce the present and future development of the aviation industry and the career opportunities offered in the field. Jointly organized by the Department of Mechanical and Aerospace Engineering and the HKUST Student Branch of the American Institute of Aeronautics and Astronautics, Aero Day attracted around 20 major companies and professional institutions in the aviation industry to deliver talks on a variety of topics and set up booths. [Read More](#)

### Women in Engineering

#### Women in Engineering – meet Prof Angela Wu

Fang Professor of Engineering Prof Kei May Lau, Chair Professor of Electronic and Computer Engineering, has been selected as the 2017 honoree of the IEEE Photonics Society Aron Kressel Award for "exceptional contributions to hetero-epitaxy of highly mismatched III-V photonics devices by MOCVD". [Read More](#)

## Prof Fugee Tsung Elected as Fellow of American Statistical Association



Prof Fugee Tsung, Industrial Engineering and Logistics Management, has been elected a 2017 Fellow of American Statistical Association (ASA). Only one-third of 1% of the ASA's membership is bestowed the prestigious distinction of Fellow. Prof Tsung is among the few number of Fellows who are from outside US, and is the only one in Greater China and one of the two in Asia being elected this year. [Read More](#)

## Industry Engagement

### Disney Donated HK\$356,000 to HKUST Students to Support "Inventions for the Community"



Building on the success of the first "Disney-HKUST Grant for Technology and Well-Being" in 2016, The Walt Disney Company (Hong Kong) ("Disney") once again joins forces with HKUST School of Engineering to encourage creative inventions designed to give back to the local community in Hong Kong. This year, Disney has committed a total grant of HK\$356,000 to fund the development of the creative yet affordable projects that aim to enhance the daily lives of physically challenged individuals and improve the health and well-being of the general public. [Read More](#)

## "HKUST STEM Month" – Paper Tower Challenge 2017 Promoted STEM with Experiential Learning



A paper tower building competition for secondary school students was held at HKUST on July 8 with the aim of inspiring young people to be future leaders in engineering by developing their team spirit, logical thinking and engineering concepts. [Read More](#)

## Mainland Ties

### Technology Meets Art in "Design Thinking" Course Co-organized by HKUST and China Academy of Art



A creativity-driven course jointly organized by the Hong Kong University of Science and Technology and the China Academy of Art came to a close with a presentation on the students' inventions. [Read More](#)

## Upcoming Event

### HKUST Engineering Alumni Summer Social Mixer



Date: August 29, 2017 (Tue)  
Time: 6pm – 8pm (Registration from 5:30pm)  
Venue: 9/F, The Wave, 4 Hing Yip Street, Kwun Tong  
[Read More](#)



Prof Angela Wu, Chemical and Biological Engineering, shares her positive attitudes towards life and engineering with the "Women in Engineering" series after becoming one of MIT Technology Review magazine's Top 10 Innovators Under 35 in Asia. [Read More](#)

## Teaching & Learning

### New Electric Vehicle Course Gave a Boost to Experiential Learning



Electric vehicles (EV) have been gaining increasing popularity as a means of green transport in many sustainable cities worldwide. Engineering students at HKUST have the chance to build their own scale-down EVs, thanks to a new undergraduate course provided by the Department of Mechanical and Aerospace Engineering. [Read More](#)

## Alumni Connections

### HKUST CSE Alumni Homecoming Workshop 2017 and Inaugural CSE Distinguished Alumni Award



The HKUST Computer Science and Engineering (CSE) Alumni Homecoming Workshop 2017, organized by the Department of CSE, was held successfully on June 17 on campus, attracting over 70 alumni, students, faculty and guests to attend the event and learn the current topics of "Systems, Applications, Networks and Data (SAND)" as the theme of workshop. [Read More](#)

