**NEWS UPDATE**

**CUHK Research Team Develops Ultra-Thin Wearable Blood Pressure Sensor**

The research team led by Associate Professor-Prof. ZHAO Ni and Adjunct Professor-Prof. ZHANG Yuan Ting of the Department of Electronic Engineering has developed an ultra-thin wearable blood pressure sensor that can be worn as a wristband or woven into clothing in order to prevent acute health events. Prof. Zhao believes that in the future, such a sensor should come with artificial intelligence, so that it can learn and improve on itself, with the human body as its teacher, constantly showing it how the body functions and works.

**Prof. CHING Pak Chung Awarded the Silver Bauhinia Star by the HKSAR**

Congratulations to Prof. CHING Pak Chung of the Department of Electronic Engineering for being awarded the Silver Bauhinia Star (SBS) by the Government of the Hong Kong Special Administrative Region for his long and distinguished public and community service, particularly in his capacity as Chairman of the Veterinary Surgeons Board of Hong Kong. Prof. CHING has made exemplar efforts in the legislative amendment exercise of the Veterinary Surgeons Registration Ordinance (Cap. 529) and immense contributions to the furtherance of the mission of the Veterinary Surgeons Board in safeguarding the health and welfare of animals and the interests of animal owners.

**IE PhD Students Receive Awards Under the CUHK Global Scholarship Programme for Research Excellence 2017-18**

IE PhD students Miss TANG Ming (supervised by Prof. HUANG Jianwei) and Mr. YI Hanling (supervised by Prof. CHEN Minghua) have received funding support to undertake research at leading universities in 2017-18. Miss TANG will pay her research visit to Stanford University for six months while Mr. YI will be at California Institute of Technology for three months from September 2017.

**MAE Students Win the Champion at the 6th Greater China Design Competition 2017**

Eight students: YIP Kwan Yi (2nd right), YIP Ka Chun (5th right), YIP Chi Yu (5th left), CHIU Sen Hang (2nd left), HO Wing Hang (4th left), LEUNG Chun Hei (3rd left) and CHOW Ka Chung (4th right), led by Dr. Li Yiyang (1st right) and the assessor LEUNG Yun Yee (1st left), from the Department of Mechanical and Automation Engineering, CUHK designed a prototype for energy conversion, and won the Champion at the 6th Greater China Design Competition.

**Engineering Team Develops a Small, Portable, Low-Cost Gas Sensing System**

A team led by Prof. REN Wei, Assistant Professor of the Department of Mechanical and Automation Engineering, The Chinese University of Hong Kong (CUHK) has developed a portable gas sensing system with high sensitivity. The use of quartz-enhanced photoacoustic spectroscopy (QEPAS), significantly lowers operational costs. The system enables quick and accurate measurements of various pollutants, such as nitric oxide, carbon monoxide, and formaldehyde. It can also be used as an assistive tool to facilitate diagnosis by analysing air exhaled by patients.

**Two Engineering Professors Elected Canadian Academy of Engineering Fellows**

Prof. DU Ruxu and Prof. MENG Qing Hu Max of the Faculty of Engineering have been elected Fellows of the Canadian Academy of Engineering (CAE) for their notable achievements in Engineering. This year, a total of 52 new international Fellows were inducted, and Professor Du and Professor Meng were the only Fellows from Hong Kong.

Prof. DU has devoted himself to promoting mechanical manufacturing technology over the years. His inventions have advanced the development of key technologies in this field, especially in metal forming and precision engineering, and established two mid-size companies, leading directly to the global growth of the machinery industry.

Prof. MENG is an international leader in robotics, well known for developing novel medical robots for advancing biomedical engineering. He has made impressive contributions to the Canadian industrial and military sectors through successful collaborative projects and the training of highly qualified engineers.

The Canadian Academy of Engineering is the national institution through which Canada’s most distinguished and experienced engineers provide strategic advice on matters of critical importance to Canada.

**CUHK Won Championship in the PwC’s Inter-University Capture The Flag Competition**

In the PricewaterhouseCooper’s hacking competition held on 23 June 2017, two teams from CUHK competed against other undergraduates in Hong Kong, and the team ‘Wannacry’ clinched the championship after 6 hours of non-stopped hacking to tackle 15 different challenges ranging from Crypto, Web, Binary reverse-engineering as well as Networking hacks. The winning team would be offered up to 1 year internship with PwC Hong Kong and China’s Cybersecurity and Privacy team plus full sponsorship of Offensive Security Certified Professional (OSCP) certification.

Organized by the PwC, the competition aimed at raising cybersecurity awareness among Hong Kong’s youth and attracted a total of 9 teams from local universities.

List of winners:
(from left) TONG Chamin Fei, LEUNG Shing Yuei, ZENG Yiu, WANG Xianbo, HUNG Wai Man, LAM Tsz Chung, YIK Wai Pan

**BME Students Won the HKSTP Technopreneur Golden Award**

Two BME students, AU Chun Ki Franklin (Year 2, second from the right) and LAM Wai Yin Kelvin (Year 3, first from the left), together with their partners won the HKSTP Technopreneur Golden Award. Their team developed an innovative post-stroke rehabilitation product named “Give Me Five” to help stroke survivors to regain the ability to move and use their hands.

The Dare to Change Competition (DCC) is an annual event organized by Young Entrepreneurs Development Council. Aiming to nurture and support young entrepreneurs, the competition is open to all undergraduate and postgraduate students in Hong Kong.