

# SENG NEWS

JUL 2019 - ISSUE 21



## WORLD CHAMPIONSHIP AGAIN

in MATE International ROV Competition

### Faculty Achievements

#### Prof. TANG Ching-Wan Awarded 2019 Kyoto Prize in Advanced Technology



The Inamori Foundation, Kyoto, Japan announced that Prof. TANG Ching-Wan, IAS Bank of East Asia Professor and Chair Professor of Electronic and Computer Engineering, Chemistry and Physics, is the recipient of the 2019 Kyoto Prize in Advanced Technology. [Read More](#)

#### ECE Professors and Alumnus Receive IEEE Communications Society & Information Theory Society Joint Paper Award



New Bright Professor of Engineering and Chair Professor Khaled BEN LETAIEF, Adjunct Assistant Professor ZHANG Jun and alumnus Dr. MAO Yuyi, all from the Department of Electronic and Computer Engineering (ECE), received the 2019 IEEE Communications Society & Information Theory Society Joint Paper Award. [Read More](#)

#### Prof. Ricky LEE Honored with Outstanding Sustained Technical Contribution Award of IEEE Electronics Packaging Society



Chair Professor Ricky LEE Shi-Wei, Mechanical and Aerospace Engineering, is named the 2019 recipient of the Outstanding Sustained Technical Contribution Award by the IEEE Electronics Packaging Society. [Read More](#)

### Industry Collaboration

#### HKUST and WeBank Launch First HK-Guangdong Joint Laboratory in Banking



The Hong Kong University of Science and Technology (HKUST) and WeBank Co. Ltd (WeBank) have established the HKUST-WeBank Joint Laboratory to nurture talent and explore cutting-edge technologies. Leveraging both parties' advantages in research and knowledge transfer in the Greater Bay Area, the joint lab will collaborate on areas spanning artificial intelligence (AI), big data, blockchain as well as financial and regulatory technologies. [Read More](#)

#### Xiao-i and HKUST Launch Joint Laboratory on Machine Learning and Cognitive Reasoning



Shanghai Xiao-i Robot Technology Co. Ltd (Xiao-i), a leading developer of artificial intelligence technologies and industry application platforms, and the Hong Kong University of Science and Technology (HKUST) signed a framework agreement to establish the HKUST-Xiao-i Joint Laboratory on Machine Learning and Cognitive Reasoning. [Read More](#)

#### HKUST and Xunlei Establish Joint Laboratory to Drive Innovation and Applications of Blockchain Technology

### Student Achievements

#### HKUST ROV Team Wins World Championship Again in MATE International ROV Competition



The HKUST Remotely Operated Vehicle (ROV) Team was crowned the All-Around Champion and Engineering Presentation Champion in the MATE International ROV Competition 2019. [Read More](#)

#### HKUST Engineering Student Team Crowned Champion at Smart Warehouse Hackathon



A team of five School of Engineering students brought home the championship at the Kerry Logistics Hackathon, a competition that sought to explore the possibility of using drones to help run smart warehouses. [Read More](#)

### Teaching Excellence

#### Prof. Thomas HU Receives HKUST Common Core Teaching Excellence Award 2018



Prof. Thomas HU, Civil and Environmental Engineering, received the HKUST Common Core Teaching Excellence Award 2018 for the CIVL 1160 Civil Engineering and Modern Society course. [Read More](#)

### Alumni Connections

## Engineering Professors, Students & Alumni Gained Three Awards at 2019 IEEE International Conference on Robotics and Automation



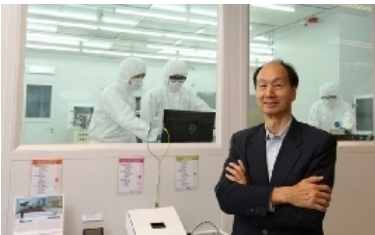
School of Engineering professors, students and alumni were recognized with three awards at the 2019 IEEE International Conference on Robotics and Automation, the flagship conference of the IEEE Robotics and Automation Society. [Read More](#)

## Prof. Kei May LAU Elected as Fellow of The Optical Society



Fang Professor of Engineering and Chair Professor Kei May LAU, Electronic and Computer Engineering, was elected a 2019 Fellow by The Optical Society. [Read More](#)

## Prof. KWOK Hoi-Sing Reaps Prestigious Prize for Contributions to LCD Science and Technology



Dr. William MW Mong Professor of Nanotechnology and Chair Professor KWOK Hoi-Sing, Electronic and Computer Engineering, has been awarded the prestigious 2019 Jan Rajchman Prize by the Society for Information Display. [Read More](#)

## HKUST's SANI Process Team Receives Hong Kong Green Innovations Awards' Top Accolade



Prof. CHEN Guanghao, Chair Professor of Civil



The Hong Kong University of Science and Technology (HKUST) and Xunlei Limited (Xunlei) announced the establishment of the HKUST-Xunlei Joint Laboratory on Blockchain Technology. The Joint Lab aims to develop cutting-edge and influential blockchain technologies that are applicable to various industries and establish a high-performance blockchain ecosystem in the Guangdong-Hong Kong-Macao Greater Bay Area. [Read More](#)

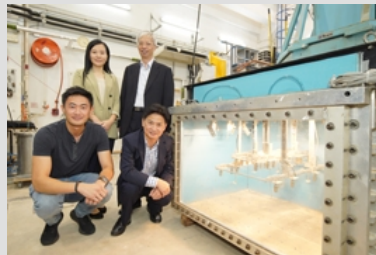
## Research Excellence

### HKUST Engineering Gains Three Natural Science Awards



Three School of Engineering faculty members were honored in the Ministry of Education's 2018 Higher Education Outstanding Scientific Research Output Awards (Science and Technology). These significant national awards recognize leading contributions to scientific discovery and technological innovation carried out in tertiary institutions across China. [Read More](#)

### SENG-led Project to Enhance Slope Safety Receives Massive Funding Boost



Prof. Charles W. W. NG, CLP Holdings Professor of Sustainability and Chair Professor of Civil and Environmental Engineering, together with his interdisciplinary team, have been awarded HK\$91.852 million by the University Grants Committee (UGC) to spearhead a visionary project to enhance slope safety starting this year. [Read More](#)

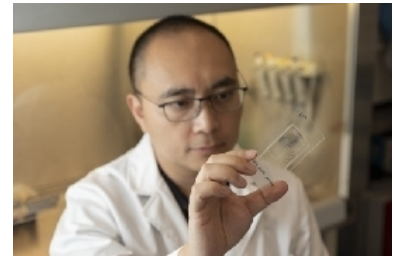
### Faculty Recipients of Research Excellence Awards Demonstrate Joys of Discovery

## "Passing on HKUST Engineering Spirit" - Envisioning New Futures



Walking through the HKUST campus, alumni Associate Professor YEUNG Sai-Kit and Assistant Professor CHEN Qifeng are almost indistinguishable from the students surrounding them. Both scholars returned to their alma mater and joined the School of Engineering in 2018. [Read More](#)

## Baby Steps, Big Dreams



In Hong Kong, 1 in 6 couples struggles to get pregnant, compared to 1 in 10 two decades ago. Listening to Dr. Ervin SHU Yiwei, current student of MPhil Program in Technology Leadership and Entrepreneurship, talk about the pain involved in the in-vitro fertilization (IVF) process, and his hope that his startup can eventually increase the success rate of the procedure, is both moving and inspiring. [Read More](#)

## Women in Engineering

### Natural Born Engineers



These alumnae graduated a decade apart, and since then they have traveled very different career paths. But Kyna WONG Hiu-King and Bella CHAN Kiu-Kei retain much in common – and that's apart from their obvious delight at being back in their beloved campus. [Read More](#)

## Campus News

### PhD Research Excellence Recognized in SENG Award



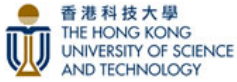
Dr. YU Xianghao, a 2018 PhD graduate from the Department of Electronic and Computer

and Environmental Engineering and Director of the Chinese National Engineering Research Center for Control and Treatment of Heavy Metal Pollution (Hong Kong Branch), received a Gold Award in the 2018 Hong Kong Green Innovations Awards. [Read More](#)



Prof. Khaled BEN LETAIEF, Prof. FAN Zhiyong and Prof. WANG Jiguang have had their achievements recognized with the School of Engineering Research Excellence Awards 2018-19. They received the Distinguished Research Excellence Award, Research Excellence Award and Young Investigator Research Award respectively. [Read More](#)

Engineering, has been named the winner of the School of Engineering (SENG) PhD Research Excellence Award 2018-19. [Read More](#)



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**NO.18** Engineering School in the World



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