

Engineering PhD Student Received the First Place in ACM Student Research Competition

Mr. Gengjie Chen, a PhD student under the supervision of Professor Evangeline F. Y. Young at the Department of Computer Science and Engineering has taken First Place in the Association for Computing Machinery (ACM) Student Research Competition Grand Finals, with the research project themed "VLSI Routing: Seeing Nano Tree in Giga Forest". Mr. Chen received the award recently at the annual ACM Awards Banquet in San Francisco, where the prestigious Turing Award (also recognised as the Nobel Prize of Computing) for this year was also presented.



PhD Students and Postdoc Received Women in Optical Communications Honors in the Optical Fiber Communication Conference

Gao Yun, Zhang Honghui, PhD students supervised by Prof. Chester Shu, and Dr. Wu Xinru, Postdoctoral staff, supervised by Prof. Tsang Hon Ki received the Women in Optical Communications honors in the Optical Fiber Communications (OFC) Conference held at San Diego, CA, USA on 3 - 7 March 2019.

Gao Yun won the "Corning Women in Optical Communications Scholarship". Zhang Honghui and Dr. Wu Xinru received the "Corning Women in Optical Communications Travel Grants".



Computer Science & Engineering Students Won Excellent Results from ICPC World Finals

The programming team from the Department of Computer Science and Engineering won a bronze medal at the 43rd Annual World Finals of the International Collegiate Programming Contest (ICPC) held in Porto, Portugal. The team consists of three undergraduate students: Yik Wai-Pan (Computer Science major), Ho Ngan-Hang (Computer Science minor, Mathematics major), and Poon Lik-Hang (Computer Science minor, Quantitative Finance major). This is the third time CUHK has won medals at the ICPC.



PhD Student Received the Best Conference Paper Award

Yangxin Xu, a PhD student supervised by Prof. Max Meng, received the Best Conference Paper Award at IEEE Robio 2018 Conference in Kuala Lumpur.



2018 IEEE Signal Processing Society Best Paper Award

Prof. Anthony Man-Cho So and Prof. Wing-Kin Ma Receive the 2018 IEEE Signal Processing Society Best Paper Award at the 44th International Conference on Acoustics, Speech, and Signal Processing (ICASSP) held in Brighton, United Kingdom.

Their article, titled Outage Constrained Robust Transmit Optimization for Multiuser MISO Downlinks: Tractable Approximations by Conic Optimization, was co-authored with Dr. Kun-Yu Wang, Prof. Tsung-Hui Chang (CUHK-Shenzhen), Prof. Chong-Yung Chi (NTHU), and was published in the IEEE Transactions on Signal Processing in November 2014.



Ultrafast Multi-focus 3-D Nano-fabrication Based on Two-photon Polymerization



The research article by Prof. Shih-Chi Chen Ultrafast multi-focus 3-D nano-fabrication based on two-photon polymerization is published in Nature Communications last month.

Prof. Chen's team presents a revolutionary laser nanofabrication process based on TPP and an ultrafast random-access digital micromirror device (DMD) scanner. By exploiting binary holography, the DMD scanner can simultaneously generate and individually control one to tens of laser foci for parallel nano-fabrication at 22.7 kHz. The nanofabrication system may be used for largescale nano-prototyping or creation of complex structures, e.g., overhanging structures, that cannot be easily fabricated via conventional raster-scanning-based systems, bringing significant impact to the world of nanomanufacturing.

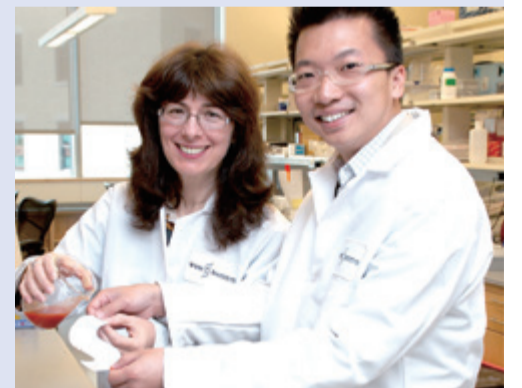
BME Research Team Develops a Novel Method for Preparing Single Chain Nano Material

Professor Liming Bian, Associate Professor of the Department of Biomedical Engineering and his research team have recently developed a novel method for preparing single chain nano material which significantly improves the efficiency by a factor of 20 over that of conventional methods. The research team further investigated the impact of the dynamic molecular conformational change in such material on cellular interactions in different biomedical applications at varying scales. This paves the way for the large scale production and translation of single chain nano materials in daily life. The study has been published in the prestigious scientific journal *Nature Communications*.



Distinguished Alumnus Awarded US Presidential Early Career Award for Scientists and Engineers

Dr. Wong Tak Sing, a distinguished alumnus from the MAE Department, has been named a recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE) by US Government. The PECASE Award is the highest honor bestowed by the United States government on outstanding scientists and engineers in the early stages of their independent research careers. The awards are conferred annually at the White House following recommendations from participating agencies.



Bank of East Asia 100 Fintech Challenge

A team of CUHK students is recognized as one of the outstanding teams in Bank of East Asia 100 Fintech Challenge with their proposal of all-in-one SME banking solution.

Team members: Chen Yu (Fintech year 2), Lai Ho Nam (MIE year 4), Xu Xiang (Fintech year 2), Meiqi Zeng (Fintech year 2), Yin Mingyao (IBBA year 3), Tie Tianmeng (Fintech year 2)

