



Issue 10 (August 2020)

Award

Department of Mechanical Engineering



The University has appointed Prof PAN Chin as CLP Power Chair Professor in Nuclear Engineering with effect from 1 July 2020 in recognition of his commitment to excellence in research and professional education of nuclear engineering to the university and society.

Department of Systems Engineering and Engineering Management

Ir Prof YUEN Pak Leung, graduate of Engineering Doctorate, was made the 46th President of the Hong Kong Institution of Engineers. In his installation speech, Ir Prof YUEN stated that "Believing is Seeing - Innovation for transformation" will be the theme of the Institution for the year ahead.

Alumni achievement



Faculty achievement

Departments of Materials Science and Engineering and Mechanical Engineering



Prof Johnny HO, Dr LU Yang, and Dr WANG Feng received the Research Fellowship from the Research Grant Committee. The Research Fellowship Scheme is to provide sustained support to exceptionally outstanding academics in UGC-funded universities to facilitate their research efforts and promote research excellence. It is targeted at "stellar researchers" and there are only 10 such awards in Hong Kong. Each of the recipients will receive about HKD5.2M for teaching and administrative duty relief.

Faculty achievement

Department of Architecture and Civil Engineering

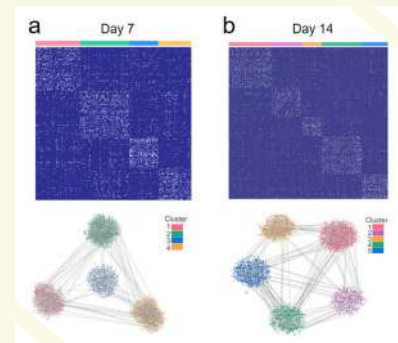


Prof C W LIM was awarded the J.N. Reddy Medal for Mechanics of Advanced Materials and Structures for his significant contributions to vibration of plates and shells, smart piezoelectric structures, nano-mechanics and symplectic elasticity.

Department of Biomedical Engineering

Faculty achievement

Prof SHI Peng and his team have developed a novel, simple intracellular biopsy technique that isolates targeted miRNAs from living cells within around 10 minutes by using diamond nanoneedles, which can be used for nucleic acid testing of viruses (e.g. COVID-19) and early cancer diagnosis. The work was published in *Science Advances*.



Faculty achievement

Department of Mechanical Engineering



Dr Steven WANG has received a grant of close to HKD2M for a project entitled *A fast-track vented enclosure for COVID-19 patients in hospitals* under the Public Sector Trial Scheme for the Prevention and Control of COVID-19 in Hong Kong from ITC of the HKSAR.

Department of Materials Science and Engineering

Faculty achievement

Prof ZHI Chunyi and his team have developed various flexible/wearable batteries, which are suitable for power flexible electronics. The research result was recently published in *Nature Review Materials*. The title of the paper was called "Non-metallic charge carriers for aqueous batteries".

