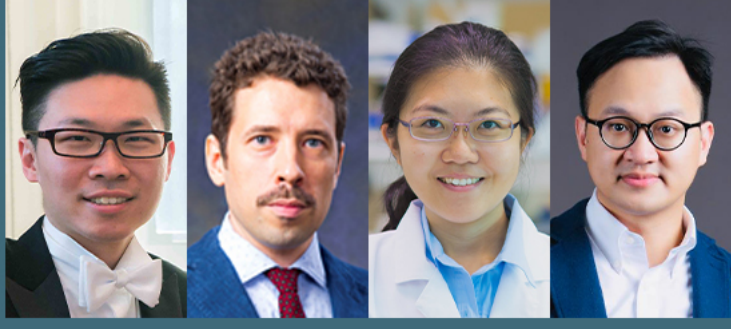




Issue 30 (April 2022)

Award



College of Engineering

The College is pleased to announce that the following faculty members received the College of Engineering Outstanding Teaching Award for their exemplary effort in inspiring students to learn, discover and innovate.

Name	Department
Dr Denvid LAU	Architecture and Civil Engineering
Dr Gianni TALAMINI	Architecture and Civil Engineering
Dr KHOO Bee Luan	Biomedical Engineering
Dr Steven WANG	Mechanical Engineering

Congratulations to all awardees!

Faculty Achievement



Department of Electrical Engineering

Dr Katie CHAN and her co-authors won the 2022 Paul Dudley White International Scholar Award presented by the American Heart Association for their abstract titled Identification of Genetic Signals for “Diabesity” - Type 2 Diabetes and Obesity - among African American and European American Participants in Four Cohorts of the TOPMed Consortium.

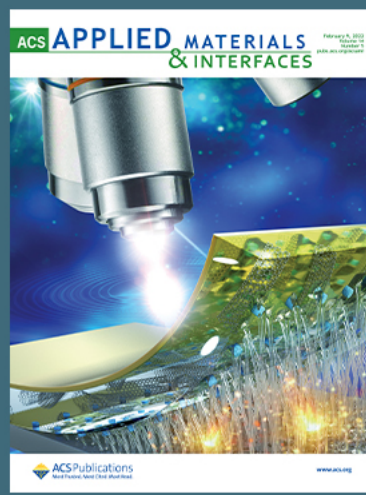
Faculty Achievement



Department of Mechanical Engineering

Prof Takashi HIBIKI was elected Fellow of the Atomic Energy Society of Japan (AESJ) for his outstanding contributions in the field of nuclear energy as well as the development of the AESJ.

Faculty Achievement



Department of Architecture and Civil Engineering

Dr Denvid LAU's manuscript: Adhesion Strengthening Mechanism of Carbon Nanotube-Embedded was published in *ACS Applied Materials & Interfaces*. The article offers insights into the development of innovative nanocomposites for more durable and reliable applications, including surface coatings, microelectronics, and adhesive materials.

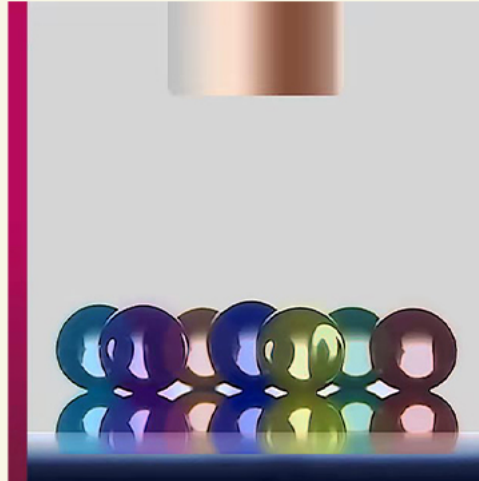
Faculty Achievement



Department of Mechanical Engineering

Prof LU Yang published an article titled Design Criteria for Tough Metamaterials in the March issue of *Nature Materials*. The article explains the establishment of a generalized strategy to characterize the failure of truss-based micro-lattices, thus creating a framework for designing tough, damage-tolerant architected materials.

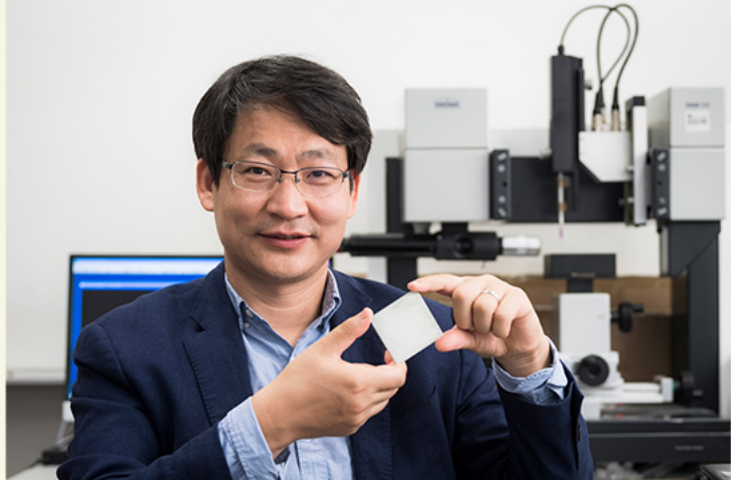
Faculty Achievement



Department of Mechanical Engineering

Prof WANG Zuankai and his research team published a paper entitled Electrostatic Tweezer for Droplet Manipulation in the Proceedings of National Academy of Sciences. The droplet electrostatic tweezer offers a potential platform for a series of applications, such as high-throughput surface-enhanced Raman spectroscopy detection with single measuring time less than 20s.

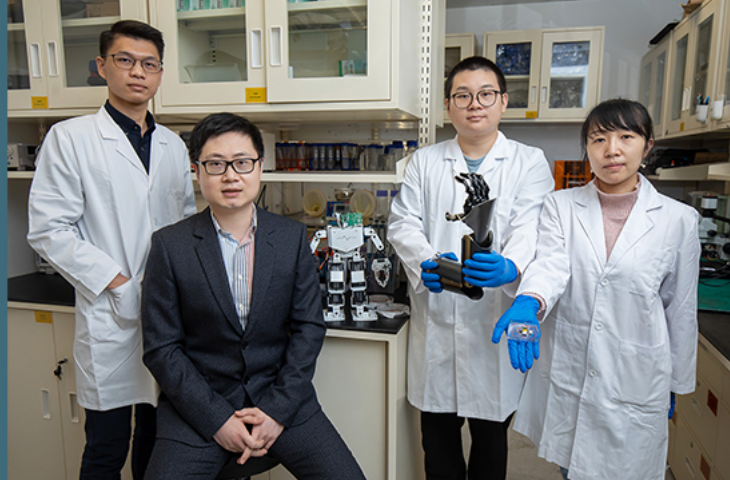
Faculty Achievement



Department of Mechanical Engineering

Prof WANG Zuankai received the 2021 Green Tech Award from Meituan. Being one of the nine recipients for this national award, he will receive a sum of RMB 1 million over the next three years to undertake research in environmental protection.

Faculty Achievement



Department of Biomedical Engineering

A research team led by Dr YU Xinge and his collaborator developed an innovative human-machine interface, named Robotic VR, that can teleoperate robots to imitate the user's actions and perform complicated tasks. This important breakthrough facilitates conducting COVID-19 swab tests and nursing patients with infectious diseases.

Alumni Achievement



Department of Architecture and Civil Engineering

Mr TSO Tsz King's project entitled OSH for Demolition Works in Building Industry (Application of MR Glass) clinched the championship in the Hong Kong Institution of Engineer (Safety Specialist Committee) Student Project Competition 2021 under the Bachelor's Degree category.

