

## WCC SPECIAL RECOGNITIONS 2018

**Dr Ray CHEUNG Chak-chung**, Associate Professor, Department of Electronic Engineering, City University of Hong Kong

Dr Cheung advocates campus-wide community-based learning at CityU, while promoting city-wide coding education. His CityU Apps Lab initiative has become one of the most influential student learning communities in Hong Kong. This interdisciplinary co-working space is entirely flexible and open to all, providing coding education, mobile app development, underwater robotics hardware designs, solar car designs and technical support for start-ups and the public. The Apps Lab equips students with skills and confidence for life, beyond just their academic focus.

**Dr Johnny HO Chung-yin**, Associate Professor, Department of Materials Science and Engineering, City University of Hong Kong

Dr Ho has established an internationally recognized and multidisciplinary research program focusing on the design and fabrication of novel device structures through nanomaterial innovations. His team develops schemes to manipulate, process and engineer various nanomaterials for new functionalities and properties for use in electronics, optoelectronics and sensors, along with energy-harvesting. Some of these materials or processes have already been transitioned to industry for further commercialization. Dr Ho has published over 125 articles in high-impact factor journals and he was recently elected as a founding member of The Young Academy of Sciences of Hong Kong.

**Dr LAM Miu-ling**, Assistant Professor, School of Creative Media, City University of Hong Kong

Dr Lam is a practising media artist as well as an expert in robotics and emerging media technologies. She is recognized for her unique initiatives and exceptional contributions to pedagogy, curriculum design, research- and innovation-infused teaching and community outreach projects. She plays a pioneering role in fusing art and science together through her innovative and practice-focused courses, which successfully eliminate learning barriers and make scientific concepts accessible to the non-scientific mind. Dr Lam has also implemented learning platforms and workshops at university-level to facilitate learning outside the classroom, such as the Wearable Innovation Lab and TEDY (Technologies for the Elderly and Disabled), which furthermore cultivate social responsibility.

**Dr Patrick LEE Kwan-hon**, Associate Professor and Associate Dean, School of Energy and Environment, City University of Hong Kong

Dr Lee's research revolves around microbiology, striving to understand the functions of microbes in systems related to energy, environment and human health. Current projects include research on C1 metabolism for renewable energy and chemicals, indoor-built environment microbiology, the human microbiome, and microbial processes in the environment. Dr. Lee has published over 50 peer-reviewed journal articles. He is passionate about teaching and has established a training program enabling students to develop key professional skills to improve their employability.

**Dr Eddie MA Chi-him**, Associate Professor, Department of Biomedical Sciences, City University of Hong Kong

Dr Ma's research combines mouse genetics, deep brain stimulation and animal behaviour approaches to develop strategies accelerating functional recovery. These include studies on neurodegenerative diseases such as Parkinson's disease, traumatic brain injury, and peripheral neuropathy. Scientific quality of his work is reflected in receiving significant external funding (over HKD 10 Million), CityU President Award and Croucher Foundation Fellowship. He has published research work in top-tier journals, and been invited speaker at international conferences. He serves as Director to establish the first University-based animal research facility. He also has a keen interest in education and served as Program Leader to develop undergraduate degree program for Biological Sciences students.

**Dr SHI Peng**, Associate Professor, Department of Mechanical and Biomedical Engineering, City University of Hong Kong

Dr Shi works at the convergence of neuroscience and nano/microtechnologies. Using an interdisciplinary approach involving nano/micro-fabrication, microfluidics, ultra-fast optics, high-resolution microscopy and imaging processing, he focuses on solving problems in fundamental and translational neurosciences, especially the development of high-throughput neurotechnology and screening platforms for the discovery of novel chemicals or gene targets. At molecular and cellular level, he and his team leverage advances in technology to create sophisticated windows of observation that can ultimately address complex neuroscience problems.

**Dr WANG Zuankai**, Associate Professor, Department of Mechanical and Biomedical Engineering, City University of Hong Kong

Dr Wang's research interests lie in the interfaces between engineering, materials, and physics. He has made seminal contributions to the fundamental understanding of the structure-function properties of biological systems and the creation of bio-inspired, topological structures and disruptive technologies to fundamentally change the fluid-thermal-surface interfacial and transport processes, providing a new paradigm for materials discovery and implementation in real world. His work has been recognized by Guinness World Records, and highlighted in Nature, Nature Physics, New York Times and many other media coverages.

**Dr ZHANG Xiaoling**, Associate Professor, Department of Public Policy, City University of Hong Kong

Dr Zhang is energetically building a strong reputation in the important field of regenerative sustainability, focusing on social and environmental sustainability. Representative publications include "Turning green into gold", "Toward smart governance and social sustainability" and the "Centipede Game model". Dr Zhang has been recognized as an expert in sustainability science for built environments as well as sustainable urbanization in China. She is very active on the global conference circuit and has developed an impressive network of international collaborators.

**Dr ZHENG Bo**, Assistant Professor, School of Creative Media, City University of Hong Kong

Dr Zheng is an artist, scholar and teacher committed to socially and ecologically engaged art. In "Sing for Her," his large-scale public artwork commissioned in 2015 and receiving over 500,000 visitors in Hong Kong, he collaborated with migrant and marginalized communities to advocate a multicultural future for Hong Kong. He is also well-known for his outstanding research projects, such as "Socially Engaged Art in Contemporary China" ([seachina.net](http://seachina.net)), as well as his multiple publications and lectures given worldwide.