

## HONG KONG ACADEMY OF ENGINEERING SCIENCES (HKAES)

### HKEST Award Ceremony cum Distinguished Lectures

3 June 2023, Jockey Club Auditorium, PolyU

#### Background

The Hong Kong Academy of Engineering Sciences (HKAES), with the support of the Innovation and Technology Fund of the Hong Kong Special Administrative Region, launched the Hong Kong Engineering Science and Technology (HKEST) Award in September 2022. The award aims to promote and recognize excellence among younger researchers and industrial practitioners under the age of 45 who work in arenas of engineering science and technology. The award honours individuals who have made outstanding contributions in advancing engineering technology through research, development, innovation, and/or entrepreneurship. The first HKEST exercise was completed in January 2023, and the Selection Committee, composed of eight outstanding experts from different engineering fields in industry and academia, selected four winners, as follows:

- **Prof. Anderson SHUM**  
Department of Mechanical Engineering, The University of Hong Kong
- **Prof. Xiaogang WANG**  
Department of Electronic Engineering, The Chinese University of Hong Kong and  
Co-Founder of SenseTime
- **Prof. Zijian ZHENG**  
Chair Professor of Soft Materials and Devices, The Hong Kong Polytechnic University
- (Team) **Dr. Russell CHAN (Leader), Mr Justin CHAN, Dr Eddie WONG**  
Gense Technologies Limited

The Preliminary Programme is as follows.

Time	Programme
09:00	<b>Registration</b>
09:30	<b>Welcome Address</b> <b>Ir Dr Alex Chan, SBS</b> Senior Vice President, Hong Kong Academy of Engineering Sciences; Managing Director, ATI Engineering Ltd
09:40	<b>Opening Remarks</b> <b>Ir Prof. The Hon Dong Sun, JP</b> Secretary for Innovation, Technology and Industry, The Hong Kong Special Administrative Region
09:50	<b>Award Presentation with Citation</b>
10:10	<b>Group Photo</b>
10:30	<b>Break</b>
11:00	<b>Keynote Address 1: <i>The world is moving towards “Public Interest”</i></b> <b>Ambassador George Hara</b> Group Chairman and CEO, DEFTA Partners; Chairman of Board, Alliance Forum Foundation; Honorary Professor, Faculty of Medicine, CUHK; and Special Advisor to HKSTP
11:30	<b>Keynote Address 2: <i>Shape Memory Polymer Composites: Programmability, 4D Printing and Applications</i></b> <b>Prof. Jinsong Leng</b> Dean of the School of Future Technology, Harbin Institute of Technology
12:00	<b>Lunch</b>
14:00	<b>Lecture 1: <i>Environmental studies of SARS-CoV-2 transmission</i></b> <b>Ir Prof. Yuguo Li</b> Chair Professor of Building Environment, Department of Mechanical Engineering, The University of Hong Kong
14:30	<b>Lecture 2: <i>Magneto-electric dipole: Advanced antenna technology for wireless connectivity</i></b> <b>Ir Prof. Kwai Man Luk</b> Head and Chair Professor, Department of Electrical Engineering, City University of Hong Kong
15:00	<b>Break</b>
15:30	<b>Lecture 3: <i>Empowering Future through Innovation: from AI towards Artificial General Intelligence (AGI)</i></b> <b>Prof. Xiaogang Wang</b> Full Professor, Department of Electronic Engineering, The Chinese University of Hong Kong; Co-founder and Chief Scientist, SenseTime Group
16:00	<b>Lecture 4: <i>Soft and Permeable Electronics for Wearable, Skin-attachable, and Implantable Applications</i></b> <b>Prof. Zijian Zheng</b> Chair Professor of Soft Materials and Devices, The Hong Kong Polytechnic University
16:30	<b>Lecture 5: <i>Biomedical imaging for telemedicine: The new frontier for primary care</i></b> <b>Dr Russell Wade Chan</b> Co-founder and Chief Technology Officer (CTO), Gense Technologies Ltd. <b>Mr Justin Pak Heng Chan</b> Co-founder and Chief Executive Officer (CEO), Gense Technologies Ltd. <b>Dr Eddie Chung San Wong</b> Co-founder and Chief Operations Officer (COO), Gense Technologies Ltd.
17:00	<b>Lecture 6: <i>Drops: curiosity, growth and impact</i></b> <b>Ir Prof. Anderson Ho Cheung Shum</b> Professor of Mechanical Engineering, Associate Vice-President (Research and Innovation), The University of Hong Kong; Centre Director, Advanced Biomedical Instrumentation Centre; President, Hong Kong Young Academy of Sciences
17:30	<b>Closing Remarks</b>

Notes:

Lectures 1 to 2: By two recent recipients of the Guanghua Engineering Science and Technology Award

Lectures 3 to 6: By four winners/winning team of the HKEST Award