

# Biomedical Engineering Conference BME2020: Fighting COVID-19 and Future Pandemics with Innovation & Technology

27 – 28 November 2020  
Online Conference



Biomedical Division  
生物醫學分部



## Call for Papers

The COVID-19 strikes the world in the blink of an eye, infecting millions of people, and causing hundred thousands of deaths all over the world. While clinicians are combating in the first line of defense against pandemics, engineers, technologists, and innovators swiftly apply their knowledge to develop and bring in innovative technologies to support the healthcare system.

This online conference gathers delegates with different expertise in manufacturing industry, research and product development, clinical engineers, under one virtual roof to exchange experience and ideas in combating pandemics with innovations and technologies.

### Major Themes of BME2020

The major topics of the conference include but not limited to innovation and technology of:

- *Artificial intelligence and robotics*
- *Disease diagnosis, prevention, monitoring, treatment and therapy*
- *Disinfection and personal protective equipment*
- *Research, development and management of medical devices*
- *Healthcare system and infrastructure*

- *Healthcare data management*
- *In-vitro diagnostics and rapid screening*
- *Precision healthcare*

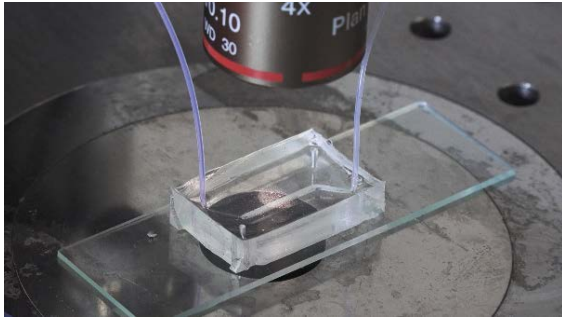
### Important Dates

Abstract Deadline 2 October 2020  
Acceptance Notification 9 October 2020  
Online registration required via website (free)

### Abstract Submission

Contributions on all aspects of innovation and technology in combating pandemics. An electronic form (in MS-Word or PDF format) of one-page abstract (a minimum of 200 words) with paper title, author names, affiliations, and the corresponding author's phone/fax number and e-mail address should be submitted to the BME2020 Conference Secretariat via the email: [bme2020hkie@gmail.com](mailto:bme2020hkie@gmail.com)

***Presentation slots will be limited and early submissions are encouraged.***



### **Conference Chairs of BME2020**

Ir Prof Richard SO, Co-General Chair  
*The Hong Kong University of Science & Technology*

Ir Raymond POON, Co-General Chair  
*Electrical and Mechanical Services Department*

Ir Bryan SO, Programme and Co-Area Chair  
*The Chinese University of Hong Kong*

Ir Prof Raymond TONG, Co-Area Chair on Industry  
*The Chinese University of Hong Kong*

Dr Kannie CHAN, Co-Area Chair on Clinical Engineering  
*The City University of Hong Kong*

Dr Thomas LEE, Co-Area Chair on Research & Development  
*The Hong Kong Polytechnic University*

### **Conference Organising Committee**

Ir Prof Daniel CHOW, EdUHK  
Ir Yorkie CHOW, DH  
Ms Martha HAO, Wise Ally  
Ir Dr LIN Yuan, HKU  
Mr Will LEUNG, EMSD  
Ir Dr CK LI, HKAASST  
Ir Karon LO, Wise Ally  
Ir Stanley SIU, EMSD  
Ir Prof Min WANG, HKU  
Prof Terence WONG, HKUST

### **Conference Secretariat of BME2020**

c/o Mr Will Leung  
Email: [bme2020hkie@gmail.com](mailto:bme2020hkie@gmail.com)

### **International Technical Committee (tentative)**

Dr April CHOW  
*CUHK Medical Centre*  
Prof James GOH  
*National University of Singapore*  
Prof Johnson Chih-Chung HUANG  
*National Cheng Kung University*  
Prof CT LIM  
*National University of Singapore*

### **Guest of Honour (tentative)**

***Ir Alfred SIT Wing Hang, JP,***  
Secretary for Innovation and Technology  
*The Government of the HKSAR*



### **Keynote Speakers**

***Ir Prof YUEN Pak Leung***

Ir Prof PL YUEN is the President of HKIE Session 2020/2021. He is a professional engineer working in the public hospital engineering sector in Hong Kong with more than three decades' experience. He started working in the Hong Kong Government's departments for public hospitals construction, operation and maintenance before joining the then-newly established Hospital Authority in the 90s. Currently, as part of the management of the Hospital Authority Head Office, he oversees all public hospital engineering facilities and related processes, from design and construction through to operation and maintenance. He also leads and supervises environmental and energy sustainability initiatives for both new and existing public

Last update on 23 September 2020

hospitals, including two upcoming major projects for public hospital infrastructure development. He has won the US Association of Energy Engineers' (AEE) "Regional Energy Project of the Year Award" for Asia-Pacific Rim Region for different innovative energy-saving and cost-effective projects for three consecutive years.



Professor Chan is also a partner of the Global Outbreak Alert and Response Network. He is Editor-in-Chief of the Journal of Virological Methods.



### Registration Fee

The Conference is free of charge. Registration via website is required.

### Prof. Paul Kay Sheung CHAN

Professor Paul Chan is the Clinical Professor and Chairman of the Department of Microbiology, and Deputy Director of the Stanley Ho Centre for Emerging Infectious Diseases, Faculty of Medicine, The Chinese University of Hong Kong. He is also Honorary Consultant in Microbiology for the New Territories East Cluster Hospitals of Hong Kong Hospital Authority. Professor Chan is a renowned clinical virologist with special interest in tumour virology, human respiratory viruses and microbiome. He serves many key professional bodies in Hong Kong, including the Scientific Committee on Emerging and Zoonotic Diseases of the Centre for Health Protection, the Grant Review Board for Medical and Health Research Fund, the Hong Kong College of Pathologists Examiner Committee.

### Website

<https://bme2020hkie.wixsite.com/bme2020>

Other enquiries should be directed to:

*BME2020 Conference Secretariat  
c/o Mr Will LEUNG  
Biomedical Division  
The Hong Kong Institution of Engineers  
Email: bme2020hkie@gmail.com*

### Co-organizer



### Supporting Organizations (more to come)

