

## Invited speakers (13-14 July)

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### Dr Xiaowei Deng

Professor, Department of Civil Engineering, The University of Hong Kong, China

*President, American Society of Civil Engineers (ASCE), Greater China Section*

*Co-opted Director, Hong Kong Wind Engineering Society*

#### Topic

**Application of machine learning techniques to wind farm: layout optimisation and cooperative yaw control**

#### Biography

Dr Xiaowei Deng is an associate professor in the Department of Civil Engineering at the University of Hong Kong. His research interests include numerical modeling of complex renewable energy harvesting systems by utilisation of data-driven artificial intelligent techniques and novel design of lightweight materials and structures for civil, mechanical, and biomedical applications.

Dr Deng currently serves as the President of the American Society of Civil Engineers (ASCE), Greater China Section, and a Co-opted Director of the Hong Kong Wind Engineering Society (HKWES). He received the William F. Ballhaus Prize for an outstanding PhD dissertation from Caltech and two best paper awards from ASME and AIAA, respectively. He also won the Technological Innovation Award from the China Steel Construction Society and the First Class of Science and Technology Progress Award of Chongqing.



### Dr Jinxin Cao

Associate Professor, College of Civil Engineering, Tongji University, China

*Associate Secretary General, Wind Engineering and Industrial Aerodynamics Committee, China Aerodynamic Society*

#### Topic

**Simulations and mechanisms of tornado-induced wind effects on structures**

#### Biography

Dr Jinxin Cao is currently an associate professor and Vice-chairperson of the Department of Bridge Engineering, Tongji University, China. He also serves as the Associate Secretary General of Wind Engineering Group, China Aerodynamic Society since 2016 and a member of Wind Engineering Group, China Civil Engineering Society since 2021. His research interests include non-synoptic wind effects on structures, wind effects on renewable energy systems as well as bridge aerodynamics. He has been awarded three NSFC grants and published a total of more than 40 journal papers. He has received the IAWQ Junior Award in 2022 due to his significant and original contributions to wind engineering.



### Dr Bruce Chong

Director, Arup (Climate, Sustainability & City Advisory), Hong Kong, China  
FICE, FIET, FCIBSE

*Cambridge Overseas Scholar and  
Research Fellow at Sydney University*

#### Topic

**Climate risks and opportunities on improving resilience of physical asset  
- case sharing of infrastructure and building in East Asia**

#### Biography

Dr Bruce Chong is Arup's East Asia Climate, Sustainability & City Advisory Leader, and the Skills Leader of City Resilience and Sustainable Infrastructure Design. He focuses on carbon neutrality and climate emergency, developing statistical based approach for conducting TCFD, ESG and related carbon and climate risk consultancy for government clients and top-tier listed companies. He has established a centre of excellence for climate modelling to help organisations across Asia to build climate resilience and answer the call from investors and policymakers. Recently, he launched the A4CR to drive a more climate resilience business community. Dr Chong uses his expert knowledge to create values and generate momentum of change for the industry, such as the Smart Green Resilient framework which is adopted by all the strategic planning projects of the Government of the HKSAR.



### Nina Yiu

Director, Arup (Building Envelope),  
Hong Kong, China

#### Topic

**Façade design driver**

#### Biography

Miss Nina Yiu is Arup's East Asia Building Envelope Skills Leader. With more than 25 years' façade consulting experiences, Miss Yiu leads the change on the role and involvement of façade consultant in Hong Kong and the region, while strive to achieve the best and appropriate façade consultancy services for the clients and projects. She has a long and strong history in Southern China, Hong Kong and Macau, and is well-known on providing expertise advices on enhancing performance of façade design and products. As a director, she is responsible for leading the team on advancing skills and knowledge, and leading to the digital age of the industry, providing innovative, professional and quality façade design.



### Dr Neptune Yu

Associate, Arup (Wind Engineering),  
Hong Kong, China

*Chairman of Hong Kong Wind  
Engineering Society*

*Committee member of the Wind  
Engineering and Industrial  
Aerodynamics Committee, China*

*Aerodynamic Society, and the Wind  
Engineering Group, China Civil  
Engineering Society*

#### Topic

**Revisit the tropical cyclone induced glass damages - a probabilistic view**

#### Biography

Dr Neptune Yu is Arup's East Asia Wind Skills Leader. He has provided wind consultancy on over 100 projects across the region, including working as Arup's wind discipline leader in a few landmark projects. Since 2018, Dr Yu further extended his focus to wind resilience studies; he led Arup's post-Mangkhut glass damage research, with findings effectively shared with industry; he also worked as Arup's wind expert on government consultancy project "Study on projection of tropical cyclone induced extreme winds in Hong Kong under climate change". He is the main contact in Arup (leading consultant) for drafting the 2019 Hong Kong Wind Code and is a code drafting member of the industry standard JGJ/T481-2019 and the province standard DBJ/T15 – 154-2019 of the mainland.

## Venue

Studio 1 & 2, InnoCentre (創新中心), 72 Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong

([Google map](#) | [Amap 高德地圖](#)) 

## Location and transportation

The InnoCentre is located at the heart of Kowloon Tong, less than 45 minutes away from the airport and the Shenzhen border, around 15-20 minutes away from Hong Kong's CBD. InnoCentre sits adjacent to the MTR Kowloon Tong station (Exit H / C1), which is easily accessible via the East Rail Line or the Kwun Tong Line.



## Official language

English

## Registration fee

	Non-member	Member	Student
<b>Early bird</b> ( <i>offer ends on 20 June</i> )	HKD 1,700	HKD 1,400	HKD 600
<b>Standard</b>	HKD 2,000	HKD 1,700	HKD 800

*The registration fee includes tea breaks and lunches on both days.*

[Register now](#)

## Recommended accommodations for registrants outside Hong Kong

We have partnered with two hotels, both located in the centre of the city, to offer discount for your stay:

### 1. Royal Plaza Hotel

- 2-minute walk from MTR Mong Kok East station
- One MTR station (East Rail Line) away from InnoCentre (MTR Kowloon Tong station) *To book, follow [this link](#) and use the promo code 'ARUP2023' upon check out by 19 June.*

### 2. The Cityview Hotel

- 1-minute walk from MTR Yau Ma Tei station
- Four MTR stations (Kwun Tong Line) away from InnoCentre (MTR Kowloon Tong station) *To book, fill in [this form](#) and return it to [ihrsvn@thecityview.com.hk](mailto:ihrsvn@thecityview.com.hk) by 15 June.*

## Enquiry

If you have any questions, please contact the organising committee at [HKWESWorkshop5@arup.com](mailto:HKWESWorkshop5@arup.com).

## Organisers

Advisory committee	HKWES executives	Organising committee
Ahsan Kareem (USA) Andrew Allsop (UK) Ho-Kyung Kim (Korea) Kenny Kwok (Australia) Ledong Zhu (China) Lin Zhao (China) Qingsheng Li (China) Youlin Xu (China)	Neptune Yu (Chairman) Tim Tse (Vice-chairman) Bryan Wong (Vice-chairman) Alex To Gang Hu Johnny Yu K.M. Lam Lynn Cheng Tony Wan X.W. Deng	Neptune Yu (Chairman) Tim Tse (Secretary) Alex To Anita Siu Dengguo Wu Jerman Cheung Lynn Cheng Michelle Chan Noel Lau