

[REGISTER HERE](#)



The Association of Consulting Engineers of Hong Kong
香港顧問工程師協會

45TH
ACEHK
ANNIVERSARY

SUPPORTING ORGANISATIONS



發展局
Development Bureau



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會



香港建造商會
HKCA

HKIE

THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會



THE HONG KONG
INSTITUTE OF
SURVEYORS
香港測量師學會



New Normal Embracing Engineering for Better Tomorrow

The Association of Consulting Engineers of Hong Kong
45th Anniversary Seminar

EVENT DETAILS

8 SEPTEMBER 2022
9:00AM - 5:10PM

ONLINE WEBINAR
FREE OF CHARGE

PLATINUM SPONSORS

AECOM

aurecon

binnies
Enhancing lives, communities
and the environment

BuildKing

egis

MEINHARDT

REGISTER HERE



About the Seminar

As we are entering an era of unprecedented global challenges and rapid innovation and technological transformation, our industry is facing a next level of challenges to provide the needs and expectations of our future generations. We need to face these challenges and strive to continue the path to embrace our industry for a better sustainable tomorrow riding on the support and the current policies outlined by our government on innovation and smart construction.

ACEHK, celebrating its 45th Anniversary this year, is organizing an Annual Seminar on “New Normal – Embracing Engineering for Better Tomorrow”. The seminar will explore how the industry adapts to the evolving expectations of a sustainable built-environment and the ever-increasing efficiency of our works thanks to technological advancement. Our full-day seminar will cover exciting presentations covering hot topics of the engineering industry surrounding four pillars: (i) Future of Better Construction, (ii) Revitalization by Young Engineers, (iii) Resilience on Climate Change and (iv) Construction 3.0 – Integration of Artificial Intelligence and BlockChain Technology into Infrastructure Development.

KEYNOTE SPEAKERS:

Ir RICKY CHUN KIT LAU, JP

Permanent Secretary
for Development (Works)
Development Bureau,
The Government of the HKSAR



Mr YE SHUI QIU

Deputy Director-General,
Department of Educational,
Scientific & Technological Affairs,
Liaison Office of
the Central People’s Government
in the HKSAR



Programme of the day

Morning Sessions

| | |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:30 - 9:00am | Registration |
| 9:00 - 9:05am | Welcome Remarks Ir Stephen Mak Chairman, The Association of Consulting Engineers of Hong Kong |
| 9:05 - 9:15am | Opening Address Ir Ricky Chun Kit Lau, JP, Permanent Secretary for Development (Works) Development Bureau, The Government of the HKSAR |
| 9:15 - 9:25am | Keynote Speaker Mr Ye Shui Qiu, Deputy Director-General, Department of Educational, Scientific & Technological Affairs Liaison Office of the Central People's Government in the HKSAR |
| 9:25 - 9:35am | 45th Anniversary Initiative: ACEHK 45th Anniversary Video and Group Photo |

Session I: Future of Better Construction

Chaired by: James Sze

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:35 - 10:00am | Engineering for Innovation - Applied R&D in Infrastructure Construction Ir John Kwong, JP, Head of Project Strategy and Governance Office, Development Bureau, The Government of the HKSAR |
| 10:00 - 10:25am | Building a Sustainable Future through Innovative Technologies Dr Winnie Tang, Chairman of ESRI and Honorary President of Smart City Consortium, ESRI/Smart City Consortium |
| 10:25 - 10:50am | Embracing ACE Culture - Being Advance, Competent and Eager Ir Cheng Ting-ning, Albert, Executive Director, The Construction Industry Council |
| 10:50 - 11:00am | Q&A Discussion |
| 11:00 - 11:15am | Break |

Session II: Revitalization by Young Engineers – Experience Sharing

Chaired by: Francis Sootoo

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 11:15 - 11:25am | 45th Anniversary Initiative: Video Competition Award Presentation |
| 11:25 - 11:50am | Revitalising the Job Description of Hong Kong Young Engineers Ir Shanshan Wang, Senior Engineer, Arup |
| 11:50 - 12:15pm | The Role of Young Engineers in Exporting Hong Kong's Expertise Ir Jackie Cheung, Senior Geotechnical Engineer (Tunnel) AECOM |
| 12:15 - 12:25pm | Q&A Discussion |
| 12:25 - 1:45pm | Lunch Break |

Afternoon Sessions

Session III: Resilience on Climate Change

Chaired by: Ivy Kong

- | | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:45 - 2:00pm | 45th Anniversary Initiative: Launching of ACEHK Scholarship |
| 2:00 - 2:25pm | How to Improve Our Resilience on Climate Change? Dr Chen Ji, Professor, Department of Civil Engineering, Faculty of Engineering The University of Hong Kong |
| 2:25 - 2:50pm | Decarbonising the Built Environment: Business as Usual? Dion Anandityo, Sustainability Leader, East Asia Mott MacDonald |
| 2:50 - 3:15pm | Strategy to Address the Impacts of Climate Change on Flood and Drought Disasters in Guangdong-Hong Kong-Macao Greater Bay Area Cities Dr. Li Changing, Former Deputy Director The Water Bureau of Shenzhen Municipal People's Government (Mandarin) |
| 3:15 - 3:25pm | Q&A Discussion |
| 3:25 - 3:40pm | Break |

Session IV: Construction 3.0 – Integration of Artificial Intelligence and BlockChain Technology into Infrastructure Development

Chaired by: Chris Lee

- | | |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3:40 - 4:05pm | Shaping a Digital Future: Do or Die Ms. Rosana Wong, Executive Director, Yau Lee Holdings Limited and Founder and President, Ophylla Ventures |
| 4:05 - 4:30pm | Route of a Construction 2.0 Pilot Project – Expansion of Sha Tau Kok Sewage Treatment Works Miss Huky Li, Engineer, Drainage Services Department Mr. Ron Hung, Site Agent, Build King – Kum Shing Joint Venture Mr. Colin Chan, Technical Director, Binnies Hong Kong Limited |
| 4:30 - 4:55pm | The Use of Deep Learning for Structural Defect Detection Ir Dr Ray Su, Associate Professor The University of Hong Kong |
| 4:55 - 5:05pm | Q&A Discussion |
| 5:05 - 5:10pm | Closing Remarks Ir Andy Kwok, Chairman of the ACEHK Annual Seminar 2022 Organizing Committee |