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

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ACEHK
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THE HONG KONG
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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

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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, MH, JP, Chairman of Esri China (HK) Ltd and Honorary President of Smart City Consortium
10:25 - 10:50am	Embracing ACE Culture - Pursuing Advanced, Competent & Evolutionary 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

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| 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 Chang Xing, 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

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| 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 |