

The 1st ASCE Greater China Conference

首届ASCE大中华论坛(线上)

December 4, 2021

Hong Kong, China

2021年12月4日中国香港

ZOOM Link



Organized by



美國土木工程師學會
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THEME 大会主题

Since the start of the 21st century, civil engineering has been experiencing a deep rooted revolution. Application of scientific computation methods and new technology has been further facilitated by the age of internet and artificial intelligence. BIM and modular construction on the other hand will have tremendous impact on the project implementation. Sustainability, environmental protection and global warming have become the most prominent considerations for design and construction for many large infrastructure projects. The First ASCE Greater China Conference therefore has invited some of the masterminds of Civil Engineering from both industry and academia, who will share with us their observations and insights on the challenges we face, possible solutions and future trends. By attending this conference, we hope, civil engineering practitioners and students can gather inspirations, resolve their confusions, and get prepared in various perspectives including knowledge, technology, new methods and new patterns. Civil engineers should and could play more leadership roles in the next 20 years.

自21世纪以来, 土木工程领域正在经历一场深刻的变革。科学计算和新技术的应用由于互联网和人工智能的到来变得更加便利; BIM模块化建筑正对项目的实施产生巨大的影响; 可持续发展、环境保护、全球变暖成为工程设计与施工所面临的最突出的挑战与机遇。首届ASCE大中华论坛因此特别邀请了土木工程领域的工业界和学术界的大师人物, 分享他们对于现存的挑战及解决方案与未来趋势的思考。我们希望通过本论坛, 广大土木工程人员和学生可以从中获取启发, 解决困惑, 顺利面对新知识、新技术、新方法、新模式带来的种种挑战。在未来的二十年, 土木工程师理应扮演更重要的领导性角色。

会议链接点击 <https://polyu.zoom.us/j/92919463095?pwd=OXk4d1dBaTMrd0FERm1lUnljMk9OUT09>

ZOOM Meeting ID: 929 1946 3095 Passcode: ASCE

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The 1st ASCE Greater China Conference

December 4, 2021
Hong Kong, China

Opening Address

9:00-9:20

MC: Dr. Duruo Huang

Conference Chairs, Dr. Chao Li and Dr. Gang Wang

大会组委会主席 李超、王刚

Ir. Dr. Raymond Leung, Founding President of ASCE Hong Kong Section, Chair of

Advisory Committee, ASCE Region 10 Vice Chair 顾问委员会主席 梁海明

ASCE Executive Director, Mr. Thomas W. Smith III ASCE执行董事

ASCE Member Representative, Prof. Chu-Han Zhang, Member of Chinese Academy of Sciences 张楚汉 ASCE会员代表、中国科学院院士

Distinguished Lectures

9:20-12:30

Moderators: Dr. Chao Li, Dr. Gang Wang

9:20 - 9:25 ASCE Greater China Section: Starting Strong and Moving Forward

Dr. Zhen Leng ASCE Greater China Section President 冷真 ASCE 大中华分会会长

9:25 - 9:55 A Global Vision of Civil Engineering and ASCE's Role in Facilitating it Through Partnerships in China

Dr. Dennis D. Truax ASCE President 美国土木工程师学会会长

10:00-10:30 New-material Hybrid Structures

Prof. Jin-Guang Teng President, Hong Kong Polytechnic University; Member of Chinese Academy of Sciences

滕锦光 香港理工大学校长、中国科学院院士

10:30-11:00 Environmental Sustainability and Urban Resilience through Engineering Innovation and Predictive Analytics

Prof. Joseph H.W. Lee President, Macau University of Science and Technology; Fellow of Royal Academy of Engineering

李行伟 澳门科技大学校长、英国皇家工程院院士

11:00-11:30 On Problems Related to Vehicle-bridge Dynamics and Monitoring

Prof. Yeong-Bin Yang Professor Emeritus, National University of Taiwan; Member of Chinese Academy of Engineering; Honorary Dean of College of Civil Engineering, Chongqing University

杨永斌 中国工程院院士、台湾大学荣誉教授、重庆大学土木学院荣誉院长

11:30-12:00 Three-dimensional Resilient City-The Cornerstone of Urban Security

Prof. Xiangsheng Chen Member of Chinese Academy of Engineering; Dean, College of Civil and Communication Engineering, Shenzhen University

陈湘生 中国工程院院士、深圳大学土木与交通工程学院院长

12:00-12:30 Foundation Behavior of Offshore Wind Turbine

Prof. Li-Zhong Wang, Vice President, Zhejiang University

王立忠 浙江大学副校长、长江特聘教授

Distinguished Lectures

13:50-17:00

Moderators: Dr. Zhen Leng, Ms. Snow Deng

13:50-14:20 Quality Assurance, Building Construction and Transportation Engineering in United Arab Emirates

Dr. Elias Boutros Sayah ASCE International Region (Region 10) Director

ASCE 国际区（第十区）主席

14:30-15:00 Next Generation Construction Technology for Concrete Dams

Prof. Feng Jin Changjiang Chair Professor, Tsinghua University

金峰 清华大学水利系学术委员会主席、长江特聘教授

15:00-15:30 The Third Level of System Identification

Prof. Ka-Veng Yuen, Kelvin Distinguished Professor, Dean of Graduate School, University of Macau

阮家荣 澳门大学研究生院院长、特聘教授

15:30-16:00 Building the People-Centric Digital City

Mr. Thomson Lai AECOM Asia Digital Leader

黎文杰 AECOM工程顾问公司亚洲数字团队负责人

16:00-16:30 Action Now: Toward Carbon Neutral for Civil Engineering

Ir. Michael Cheung (Executive Director) and Dr. Chao Li (Deputy General Manager, Technical) China Harbour Engineering Company - Hong Kong

张知远 中国港湾香港执行董事 李超 中国港湾香港技术部副总经理

16:30-17:00 Geotechnical Engineering for Sustainable Development: Some Perspectives

Prof. Jun Yang Past President, ASCE Greater China; University of Hong Kong

杨峻 ASCE大中华分会前任会长、香港大学教授