

ASCE Greater China Section Newsletter 2025

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Message from the President

It is my great honor serve as the President of the ASCE Greater China Section for the Session 2025 from Jan 2025 to March 2026. With the tremendous support from the board members and past presidents, the Greater China Section has witnessed another successful and memorable year. It is to note that the ASCE Greater China Section was established in 2019, and we have now grown to around 3,000 active members.



Committed to nurturing future engineers and promoting industry excellence, the ASCE Greater China Section successfully organized a series of impactful events in the 2024-2025 session. Key highlights include hosting the 3rd ASCE Greater China Conference in Nanning, the 2025 ASCE Greater China Student Symposium in Chongqing, and advancing regional collaboration through the Region 10 Distinguished Lectures and a joint webinar with the ASCE Singapore Section. Furthermore, we facilitated vital technical and student exchanges, notably visiting the State Key Laboratory of Internet of Things for Smart City in Macau, alongside student chapter visits to various HK and mainland Universities.

The 2026 session is approaching its commencement. The ASCE Greater China Section will continue to strengthen its ties with relevant institutions within the region, expand its influence, promote knowledge exchange and technological entrepreneurship in the AEC industries, and cultivate the next generation of young engineers. I look forward to continuous support from all of you. The new term and the board will continue serving the engineering community under our new page as the ASCE Greater China Section.

A handwritten signature in blue ink, appearing to read '杨超川'.

Jiachuan YANG
President
ASCE Greater China Section (2026)

The 3rd ASCE Greater China Conference

(January 10 – 13 2025)

The ASCE Greater China Section and Guangxi University co-hosted the 3rd ASCE Greater China Conference in Nanning, Guangxi. Under the theme "Technological Innovation and Sustainable Development of Civil Engineering," the event brought together top international scholars and engineering authorities to discuss the discipline's future. The conference featured opening remarks by ASCE President Prof. Feniosky Peña-Mora and 15 esteemed keynote presentations from global academicians and ASCE leaders. Following the technical sessions, participants concluded the successful event with a site visit to the Pinglu Canal Century Project to investigate technological applications in major infrastructure developments.



The 3rd ASCE Greater China Conference, Jan 10-12, Nanning

2025 ASCE Greater China Student Symposium

(April 18-20, 2025)

The 2025 ASCE Greater China Student Conference, hosted by the ASCE Greater China Section and organized by the School of Civil Engineering at Chongqing University, was successfully held from April 18 to 20, 2025. The event featured keynote speeches by Chinese Academician of Engineering, Prof. Hanlong Liu of Chongqing University and Prof. Liming Zhang of Hong Kong University of Science and Technology. Over 120 faculty and student representatives from more than 10 universities, including Tsinghua University, Tongji University, and Zhejiang University, attended the conference.



2025 ASCE Great China Student Symposium



A total of 13 student chapters joined the Sustainable Solutions Competition, Paper Competition, and Concrete Canoe Competition

Visit to State Key Laboratory of Internet of Things for Smart City

(Sept 6, 2025)

Established in 2018, the SKL-IOTSC is China's first State Key Laboratory in the field of Internet of Things (IoT) for smart cities. It focuses on five core research areas: Intelligent Sensing and Network Communication, Urban Big Data and Intelligent Technology, Smart Energy, Intelligent Transportation, and Urban Safety and Disaster Prevention. Through this visit, ASCE-GC board members discussed technologies, ideas, and novel solutions for enhancing urban resilience and sustainability through AI-driven innovation and IoT with key lab members.



ASCE-GC board members at the State Key Laboratory of Internet of Things for Smart City in Macau

ASCE student chapter visit to Hong Kong

(July – Sep 2025)

During the summer, various ASCE student chapters visited Hong Kong to learn the engineering practice and theory. With the support of board members, student chapters

visited the Hong Kong University of Science and Technology, City University of Hong Kong, University of Hong Kong, and Hong Kong Polytechnic University.



ASCE student chapter at The Hong Kong University of Science and Technology.

ASCE Region 10 Distinguished Lecture

(April - December, 2025)

As part of the 2025 ASCE Region 10 Distinguished Lecture series, various experts from Hong Kong delivered insightful virtual presentations. On 15 May, Dr. Jun Yang from The University of Hong Kong presented "To See a World in a Grain of Sand," exploring the complex mechanical behavior of granular earth materials and its implications for engineering solutions. Subsequently, on 18 June, Prof. Jidong Zhao from the Hong Kong University of Science and Technology discussed advanced numerical modeling techniques for predicting complex geotechnical failures and geohazards amidst climate uncertainty.

ASCE ASCE Region 10 Distinguished Lecture

To See a World in a Grain of Sand A Geotechnical Researcher's Perspective



Dr. Jun Yang FASCE, FICE, FHKIE
Professor, Department of Civil Engineering
The University of Hong Kong

ASCE ASCE Region 10 Distinguished Lecture

Modeling geotechnical failures and geohazards



Dr. Jidong Zhao
Professor, Department of Civil and Environmental
Engineering
Hong Kong University of Science and Technology

Joint Webinar of ASCE Singapore Section and Greater China Section (Dec 19, 2025)

The ASCE Greater China and Singapore Sections successfully co-hosted a joint virtual webinar focused on "Structural Health Monitoring for Ageing Buildings and Infrastructure." Following opening remarks by ASCE Region 10 Governor Dr. Chao Li, the event featured technical presentations from six distinguished academic and industry experts representing top institutions in Hong Kong and Singapore. The speakers shared recent innovations and regional engineering experiences, covering cutting-edge monitoring technologies such as physics AI, wireless IoT sensing, distributed fiber optics, and predictive diagnostics for façade maintenance.



Joint Webinar of ASCE Singapore Section and Greater China Section

Time: 9:00am-12:00noon 2025-12-19 (UTC+8)

Location: Zoom (Link in Registration Form)

Topic: Structural Health Monitoring for Ageing Buildings/Infrastructure

Coordinator

Yuguang Fu | President-elect of Singapore Section
Jiachuan Yang | President of Greater China Section

Opening Speech

Dr. Chao Li | ASCE Region 10 Governor

Presentation 20 mins talk + 10 mins Q&A



Registration Form

Asst Prof. Jiayi Wang | The University of Hong Kong - HK

Physics AI for Structural Metamodeling

Asst Prof. Yuguang Fu | Nanyang Technological University, SG

Wireless IoT Sensing and Edge Intelligence for Structural Health Monitoring

Asst Prof. Shenghan Zhang | Hong Kong University of Science and Technology - HK

Crack Quantification and Strain Field Reconstruction in Distributed Fiber Optic Sensing

Prof. Yong Xia | The Hong Kong Polytechnic University - HK

Health Monitoring of Large-scale Civil Engineering Structures—Hong Kong's Experience

Assoc Prof. Kevin Kuang | National University of Singapore - SG

Sensing with Light: Innovations in Structural Monitoring

Mr. Tong Kam Fei | Andes Consultants Pte Ltd - SG

Predictive Diagnostic in Façade Maintenance using Infrared Scanning

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Contacts Update:

To stay in touch with the ASCE and the ASCE Greater China Section, please update your email and mailing address with ASCE at:

<http://www.asce.org/membership>

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