



**International Top-level Forum on Engineering Science and Technology Development Strategy — Forum on High Performance Building Structure and Materials & Sustainability and Resilience of Civil Infrastructure**

**(HPBSM & SRCI)**

**October 19-21, 2018  
Chongqing, China**

**First Announcement**

Over the past decades, civil engineering industry has made indispensable contribution to the economic and social development world-widely. While entering the new era, civil engineering is facing a string of increasingly severe problems such as depletion of natural resource, pollution of environment, lack of structural durability, low sustainability, inadequate recovery performance after major disasters, etc., which highlights the desperate need of developing high performance building structures and materials, and improving sustainability and resilience of civil infrastructure to promote greenization, industrialization and sustainable development of civil engineering.

Under such circumstances, International Top-level Forum on Engineering Science and Technology Development Strategy, centered on high performance building structure and materials, sustainability and resilience of civil engineering infrastructures (HPBSM & SRCI) will be held in Chongqing, China, in October 2018, co-hosted by Chinese Academy of Engineering (CAE), Chongqing University and Tsinghua University.

International Top-level Forum on Engineering Science and Technology Development Strategy is a series of international and prospective academic activities. The forum in 2018 will be held together with the second forum of International Forum on Civil Engineering Reform(IFCER).

Referring to the contents of the “CAE 2035 development strategy” on the high performance and sustainable civil engineering structures, whole life design of civil engineering structures, multiple disaster

prevention and mitigation of civil engineering structures and new structural materials, participants will discuss the development and application of high performance building structures and materials, sustainability and resilience of civil engineering infrastructures, and the future and innovation of education in civil engineering. This forum will put forward useful advices and blueprint for greenization, industrialization and sustainable development of civil engineering.

Warmly welcome all international and domestic researchers, scholars and engineers to participate in this forum.

**Forum Topics**

**A. High Performance Building Structure and Materials(HPBSM)**

- High performance structures, disaster prevention and mitigation
- Analysis theories and methods for complex structures
- Monitoring of Large-scale civil infrastructure
- High performance and multi-functionality cement-based composite materials
- High performance steel products
- High performance fiber reinforced composite materials

**B. Sustainability and Resilience of Civil Infrastructure(SRCI)**

- Deterioration, failure mechanisms and resilience of civil infrastructure
- New sensor systems design and standards
- Creation of new education systems under a global university consortium



**Sponsors**

Chinese Academy of Engineering(CAE)  
Chongqing University (CQU)  
Tsinghua University(THU)

**Organizers**

Division of Civil, Hydraulic and Architecture Engineering,CAE  
School of Civil Engineering, CQU  
Research Center for Steel Structure Engineering, CQU

**Co-Sponsors**

National Natural Science Foundation of China  
Chinese Society of Civil Engineering  
Engineering  
Frontiers of Structural and Civil Engineering  
MCC Central Research Institute of Building and Construction Co., LTD.  
China Construction Science & Technology Group Co., LTD.  
China Construction Steel Structure Co., LTD.  
China National Machinery Industry Co.,LTD.  
CCCC Highway Bridges National Engineering Research Centre, LTD.  
China Southwest Architecture Design and Research Institute Co.,LTD.  
China Railway Eryuan Engineering Group Co., LTD.  
China Railway Siyuan Survey & Design Group Co.,LTD.  
China Construction Fifth Engineering Division Co.,LTD.  
Shenzhen Metro Group Co., LTD.  
Shenzhen Municipal Design & Research Co., LTD.  
Wuhan Airport Development Group Co., LTD.  
Southeast University  
Harbin Institute of Technology  
Tongji University  
Zhejiang University  
China Merchants Chongqing Communications Technology Research & Design Institute Co., LTD.  
T. Y. Lin International Engineering Consulting (CHN) Co., LTD.  
Chongqing Steel Structure Construction Industry Group Co., LTD.  
Chongqing Construction Engineering Group Co., LTD.  
Chongqing Steel Structure Industrial Technological Innovation Alliance  
2011 Co Innovation Center of Chongqing Steel Structure and Construction Industrialization



### International Advisory Committee

Ahsan Kareem CHEN Xiang-sheng CHEN Yun-min  
 CHEN Zhao-yuan CHEN Zheng-qing  
 Chien-Ming Wang Chung Bang Yun CUI Jun-zhi  
 David Nethercot DENG Ming-jiang DONG Shi-lin  
 DU Yan-liang GE Xiu-run GONG Xiao-nan  
 Gregory Deierlein HUANG Wei Herbert Mang  
 JIANG Huan-cheng J.N.Reddy KONG Xian-jing  
 LI Hua-jun LIANG Wen-hao LIAO Zhen-peng  
 LIN Yuan-pei LONG Yu-qiu MA Hong-qi  
 MA Ke-jian Man-Chung Tang Mark Bradford  
 MIAO Chang-wen NIE Jian-guo NIU Xin-qiang  
 OU Jin-ping PAN Ze-jian QIAN Qi-hu  
 QIN Shun-quan Richard Liew REN Hui-qi  
 RONG Bo-sheng SHEN Shi-zhao S. Kitipornchai  
 SUN Wei TENG Jin-guang WANG Fu-ming  
 WANG Guang-yuan WANG Jing-quan  
 WANG Meng-shu WU Zhong-ru XIANG Hai-fan  
 XIAO Xu-wen XIE Li-li XIE Xian-qi  
 XIE Shi-leng YANG Xiu-min Yeong-Bin Yang  
 YE Ke-ming YUE Qing-rui Yukio Tamura  
 ZHANG Chao-ran ZHANG Jian-min  
 ZHENG Jian-long ZHENG Jie-lian ZHENG Shou-ren  
 ZHENG Ying-ren ZHONG Deng-hua ZHOU Feng-jun  
 ZHOU Fu-lin ZHOU Xu-hong

### International Scientific Committee

#### Chairman:

ZHOU Xu-hong

#### Co-Chairman:

Yeong-Bin Yang NIE Jian-guo  
 Yukio Tamura Shih-Chi Liu

#### Member:

Alison Flatau BAI Guo-liang Billie F. Spencer  
 Brian UY CAI Chun-sheng CAI Ke-quan  
 CAI Yuan-qiang CHEN Bao-chun TAN Kang-hai  
 CHEN Ren-peng CHEN Xin-zhong CHEN Yi-yan  
 CHEN Yi-yi CHEN You-jia CHEN Zhi-hua  
 CHUNG Kwok-fai David Ma DAI Li-xian  
 DING Jie-ming DU Xiu-li FAN Feng FAN Zhong  
 FANG Qin FENG Xia-ting FENG Yuan FU Xue-yi  
 GAO Zong-yu GE Yao-jun Genda Chen  
 GU Xiang-lin GUO Yan-lin HAN Lin-hai  
 HAN Zhen-yong HE Chuan HUANG Hong-wei  
 HUANG Mao-song HUANG Zong-ming  
 JIANG Li-hong JIANG Zhong-gui JIN Wei-liang  
 Jeong-Tae Kim Jerome Lynch Jimmy Hsia  
 Khalid M. Mosalam Kishor Mehta Larry Bergman  
 LI Ai-qun LI Da-peng LI Guo-qiang LI Hong-nan  
 LI Hui LI Jie LI Qiu-sheng LI Shu-cai LI Ting  
 LI Zhong-xian LIN Qi-zhang LIU Han-long  
 LIU Jia-ping LIU Qiong-xiang LIU Wei-qing  
 LUO Yao-zhi LV Xi-lin MAO Zhi-bing NIU Di-tao  
 RU Ji-ping SHA Ai-min SHI Cai-jun SHU Wei-nong  
 SUN Li-min Ta-lun Yang TENG Jun WANG An-bo  
 WANG Cui-kun WANG Fu-min WANG Hong  
 WANG Li-zhong WANG Ming-yang Won-Bae NA  
 WU Bo WU Gang WU Zhi-shen XIAO Cong-zhen  
 XIAO Hai XIAO Yan XIAO Yong XU Gong-yi  
 XU Jian XU You-lin YANG Qing-shan YE Hao-wen  
 YE Ji-hong Yozo Fujino YU Yin-quan YU Zhi-wu  
 YUE Zhong-qi ZHANG Jian-ren ZHANG Jun  
 ZHANG Su-mei ZHANG Xi-gang ZHAO Qi-lin  
 ZHENG Wen-zhong ZHOU Xiao-ping ZHU He-hua  
 ZHU Hong-ping

### Key Dates

Registration: October 19, 2018  
 Conference: October 20-21, 2018

### Conference Venue and Accommodation

Kingworld Hotel Chongqing  
 Address: No. 9, Jinyuan Road, Jiangbei District, Chongqing

### Local Organizing Committee

Chairman: LI Ying-min

Executive Chairman: DI Jin

#### Co-chairman:

GAO Zhong-qi TANG Hai-ying YANG Qing-shan  
 HUA Jian-min FAN Jian-sheng

#### Member:

XING Hui-xian XIE Qiang CUI Jia LIU Jie-peng  
 CHEN Pei-zhi YANG Bo LIU Li-ping  
 WANG Wei-yong WANG Yu-hang NIE Xin

Secretary-General: DI Jin

Deputy Secretary-General: WANG Yu-hang

#### Secretary:

GAN Dan JIA Chuan-guo LI Jiang LI Ke  
 LIU Min MA Ai-ling MA Xiao-xue QIN Feng-jiang  
 SHI Yu TU Xi WANG Xuan-ding XU Liang-jin  
 XU Xiao-qing ZHENG Ni-na

### Contact

SHI Yu (+86-13983730809)  
 JIA Chuan-guo (+86-13330298926)  
 MA Ai-ling (+86-13983206120)  
 Email: caeforum@cqu.edu.cn