



FIRST ANNOUNCEMENT AND CALL FOR PAPERS (Version 1.2)

The 10th International Conference on Advances in Steel Structures (ICASS' 2020) Chengdu, China 10 - 12 December 2020

Jointly organized by

Southwest Jiaotong University

&

The Hong Kong Polytechnic University

&

Chinese National Engineering Research Center
for Steel Construction (Mainland)

&

Sun Yat-Sen University.

Introduction

Following the success of previous conferences in the ICASS series in Hong Kong, China (1996, 1999, 2002, 2009, 2018), Shanghai (2005), Singapore (2007), Nanjing (2012), Portugal (2015), the 10th International Conference on Advances in Steel Structures is to be held in Chengdu, China, on 10 to 12 December 2020. This conference is intended to provide a forum for researchers and professionals to discuss and disseminate recent advances in analysis, behaviour, design and construction of steel, aluminium, composite steel-concrete and flexible barrier structures and other structures with steel elements.

Call for papers

Papers related to all aspects of analysis, behaviour, design, fabrication and construction of steel and composite steel-concrete and flexible barrier structures are invited. Papers that fall within the general theme of the conference will be considered for presentations and for publications in the conference proceedings and uploaded to web <http://icass2020.com/>. Selected papers will also be published in SCI journals *International Journal of Advances in Steel Construction* and *International Journal of Structural Stability and Dynamics*, which carry a mission of technology transfer and is widely circulated among the engineering and building professionals. The official language is English.

Topics

Papers dealing with all aspects of analysis, behaviour, design and construction of steel, aluminium, composite steel-concrete structures and flexible barrier will be considered for publication in the conference proceedings and for presentation at the conference.

Topics include but are not limited to:

- **Structural systems:** steel and steel-concrete composite structures, aluminium structures, assembled building with steel-structure, space structures, cable structures, tension structures, deployable structures, frames, tall buildings, bridges, flexible barrier, composite/ mixed construction.
- **Members:** columns, beams, cables, connections.
- **Materials:** cold-formed steel, low-yield strength steel, stainless steel, properties of materials, high-performance steel, new metallic materials.
- **Analysis:** computational methods, non-linear analysis, stability, second-order elastic and plastic analysis, time-history seismic analysis, dynamics, fatigue, form finding, fire engineering, earthquake engineering, progressive collapse, system identification.
- **Structural design:** stability design, performance-based structural design, design guideline, codes, standards, expert systems.
- **Others:** curtain walling, scaffolding, roof, cladding, silos, pipelines, offshore platforms, transmission line towers and masts, retrofitting using steel materials.

Important Dates

First Call for Paper:	1 July, 2019
Abstract Submission Deadline:	30 November, 2019
Notification of Abstract Acceptance:	until 1 February, 2020
Full Paper Submission:	1 May, 2020
Online Registration Begins:	1 May, 2020
Notification of Full Paper Acceptance:	30 June, 2020
Early Bird Registration:	until 15 July, 2020
Online Registration Closes:	30 November, 2020
Announcement of Programme:	3 December, 2020
Conference:	10-12 December, 2020

Scientific Committees *(to be confirmed)*

Chairmen: S.L. Chan & Z.X. Yu

International Committees:

F. Albermani (Australia) Y.P. Liu (HK, China)
R. Beale (UK) S.H. Lo (HK, China)
F. Bijlaard (Netherlands) E.M. Lui (USA)
R. BJORHOVDE (USA) Y.L. Mo (USA)
M.A. Bradford (Australia) A. Mentani (Italy)
J.R. Berger (USA) O.C. Mavrouli (Holland)
O.P. Buzzi (Australia) D.A. Nethercot (UK)
D. Camotim (Portugal) F. Nicot (France)
J.M. Castro (Portugal) D.J. Oehlers (Australia)
T. Chan (Australia) J.A. Packer (Canada)
T.M. Chan (HK, China) T. Pekoz (USA)
W.F. Chen (USA) J.L. Peng (Taiwan, China)
S.P. Chiew (Singapore) X. Qian (Singapore)
C.K. Choi (Korea) K. Rasmussen (Australia)
Y.S. Choo (Singapore) J.M. Rotter (UK)
F. Calvetti (Italy) B. W. Schafer (USA)
J. Corominas (Spain) P. Schaumann (Germany)
G.G. Deierlein (USA) N.E. Shanmugam (Singapore)
L. Dezi (Italy) L.S. da Silva (Portugal)
D. Dubina (Romania) N. Silvestre (Portugal)
P. Daniele (Italy) R. Silveira (Brazil)
S. El-Tawil (USA) T.T. Soong (USA)
T. Galambos (USA) R.K.L. Su (HK, China)
L. Gardner (UK) L. Teh (Australia)
C. Gentilini (Italy) J.G. Teng (HK, China)
Y. Goto (Japan) N.S. Trahair (Australia)
P.L. Gould (USA) K.C. Tsai (Taiwan, China)
G. Gottardi (Italy) C.M. Uang (USA)
A. Giacomini (Australia) B. Uy (Australia)
G. Hancock (Australia) P. Vellasco (Brazil)
J.F. Hajjar (USA) M. Veljkovic (Netherlands)
S. Herion (Germany) A. Volkwein (Switzerland)
T.A. Helwig (USA) A. Wadee (UK)
G. Ho (HK, China) F. Wald (Czech)
B.A. Izzuddin (UK) A. Walicki (Poland)
J.P. Jaspart (Belgium) C.M. Wang (Australia)
A. Jayachandran (India) Y. Wang (UK)
M. Jaboyedoff (Switzerland) D.W. White (USA)
S.E. Kim (Korea) Y.L. Xu (HK, China)
S. Kitipornchai (Australia) E. Yamaguchi (Japan)
U. Kuhlmann (Germany) B. Young (HK, China)
D. Lam (UK) R. Zandonini (Italy)
H.H. Lau (Malaysia) X.L. Zhao (Australia)
L.R.O. de Lima (Brazil) Z.H. Zhou (HK, China)
R. Liew (Singapore) S.Y. Zhu (HK, China)
S. Lambert (France) R. Ziemian (USA)

Local Committees:

C.S. Cai X.H. He G.P. Shu H.Q. Yu
W.L. Cao X.G. Hua L.M. Sun Q.R. Yue
H.S. Chang T. Lan G.S. Tong Q.L. Zhang
Z.H. Chen B. Liang M. Wang Q.H. Zhang
G.L. Dai Y.F. Liu L.J. Wang L.L. Zhang
L. Deng G.C. Li Y.Q. Wang R.L. Zhang
Y. Ding G.Q. Li Z. Wang S.C. Zhao
X.L. Du Y.D. Li H. Wang X.Z. Zhao
Y.F. Duan Y.L. Li L. Wang S.X. Zhao
J.S. Fan J.Z. Li C.S. Wang Y. Zhao
F. Fan C.X. Li J.Z. Wu L. Zhao
S.G. Fan D.G. Lv F.W. Wu X.D. Zhi
Y. Feng Q.H. Pu Z.Y. Wu X.H. Zhou
H.Y. Gou H.Q. Ren S.D. Xue D. Zhou
Y.L. Guo X.D. Shao Y.B. Yang J.T. Zhou
T. Guo S.Z. Shen Q.S. Yang Z.Y. Zhu
A.X. Guo G. Shi P.F. Yao Z.W. Zhu
L.H. Han Y.J. Shi J.H. Ye
J.P. Hao S.Q. Shi T.H. Yi

Registration

The following table details the registration fees for overseas participant :

Category	Early bird until 30 Sep. 2020	Standard after 30 Sep. 2020
Participant	US\$750	US\$850

Notes:

- Registration fee is non-refundable.
- Only the accepted paper can be presented at ICASS'2020 and included in its proceedings if at least one of the authors register and attend the conference.
- The registration fee covers the conference proceedings, the welcome reception, conference dinner, lunches and refreshments.

**The conference registration will start on
1 May, 2020.**

About Chengdu

Chengdu, as the capital of Sichuan province, located in the center of Sichuan Basin, is well known as the homeland of the lovely and charming pandas. The main terrain of Chengdu is plain, which provides local people with the fertile and excellent agricultural condition and the birthplace of various cultures. Therefore, Chengdu is renowned as the Land of Abundance (Tian Fu Zhi Guo) for such colorful culture as the Dujiang Dam, Shu Brocade, Sichuan Opera, Sichuan Cuisine and the celebrated poets and marvelous natural sceneries such as Qingchengshan Mountain and Emei Mountain. Around 14 million people live in this beauty nest that is also one of the 24 Chinese famous historic and cultural cities about the 2300-year-old city where assembles many famous historical relics, such as Three-Star Piles Museum, Du Fu's Thatched Cottage, Leshan Giant Buddha and Wenshu Monastery. The fascinating natural landscapes, rich historical culture and humanistic sceneries, leisurely lifestyle make the city memorable.

Organizing Committees

Chair: S.L. Chan & Z.X. Yu

Co-chairs:

S.C. Zhao Y.P. Liu H.S. Chang
S.W. Liu Q.H. Pu D.G. Lv

Members:

Y.F. Yang H. Xu Q. Xi
H.Y. Gou Y. Zhou M. Lei
L.H. Lu W.J. Gao R. Guo
H. Wu F. Zhang H.H. Ma

Secretaries:

L. Zhao M. Zhang Y.Q. Fu

Address : School of Civil Engineering,
Southwest Jiaotong University,
Second Ring Road 111, Jinniu District,
Chengdu, Sichuan Province, China.



Official E-mail : icass2020@outlook.com

Official Website : <http://icass2020.com/>

Telephone : +86 13541147223