

The 13th International Conference on Advances in Steel-Concrete Composite Structures (ASCCS 2024)

Organised by
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

Supported by
The Hong Kong Institution of Engineers (HKIE), Structural Division
The Hong Kong Institute of Steel Construction (HKISC)

Date:	13 December 2024 (Friday)
Time:	8:30 am (registration) for 9:00 am - 5:30 pm
Venue:	Jockey Club Auditorium, The Hong Kong Polytechnic University (11 Yuk Choi Road, Hung Hom, Kowloon)

About the International Conference

Twelve ASCCS Conferences have been successfully held in Harbin, China (1985, 1988, 2006), Fukuoka, Japan (1991), Kosice, Slovakia (1994), Innsbruck, Austria (1997), Los Angeles, the United States (2000), Sydney, Australia (2003), Leeds, the United Kingdom (2009), Singapore (2012), Beijing, China (2015) and Valencia, Spain (2018). The conference aims to bring international experts and leaders together to disseminate recent research findings in the fields of structural steel, composite and hybrid structures. It will also provide a forum for the discussion of developments in the design and construction of steel-concrete composite structures. This conference will be of interest to structural steel, steel-concrete composite and hybrid structure designers and manufacturers, trade associations, design engineers, steel fabricators, architects, owners or developers of structural steel and steel-concrete composite structures and researchers.

Keynote Speakers (in alphabetical order)

<u>Mark BRADFORD</u>	University of New South Wales, Australia
<u>Dinar CAMOTIM*</u>	IST - University of Lisbon, Portugal
<u>Siu-Lai CHAN*</u>	South China University of Technology, China
<u>Dan DUBINA</u>	University Politehnica of Timisoara, Romania
<u>Leroy GARDNER</u>	Imperial College London, UK
<u>Lin-Hai HAN</u>	Guangxi University & Tsinghua University, China
<u>Hong HAO</u>	Guangzhou University, China & Curtin University, Australia
<u>Dennis LAM*</u>	University of Bradford, UK
<u>Hieng-Ho LAU</u>	Swinburne University of Technology (Sarawak Campus), Malaysia
<u>Guo-Qiang LI*</u>	Tongji University, China
<u>J Y Richard LIEW</u>	National University of Singapore, Singapore
<u>Luciano LIMA</u>	UERJ - State University of Rio de Janeiro, Brazil
<u>Kim RASMUSSEN*</u>	University of Sydney, Australia
<u>Ben SCHAFER</u>	Johns Hopkins University, USA
<u>Luís Simões da SILVA</u>	University of Coimbra, Portugal
<u>Brian UY*</u>	University of New South Wales, Australia

* Presentations scheduled on 11 and 12 December 2024

Official Language

The official language of the International Conference is English, including presentations and conference papers.

Registration Fee for 13 December 2024 (one day only)

HK\$1,600 per person. This registration fee includes tea/coffee refreshments, e-proceedings and a CPD certificate.

CPD Certificate

The International Conference on 13 December 2024 is recommended for **ONE** CPD day.

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Time	Program (Tentative)
8:30 am	Registration
9:00 am	Opening address
9:30 am Lecture 1	Behaviour of steel lattice towers under wildfire loading <i>Mark BRADFORD; University of New South Wales, Australia</i>
10:00 am Lecture 2	Hybrid steel-reinforced concrete building structures: Beam-to-column solutions and case-study applications <i>Dan DUBINA; University Politehnica of Timisoara, Romania</i>
10:30 am	Tea/Coffee Break
11:00 am Lecture 3	Developments and new Eurocode provisions for GMNIA-based design of steel structures <i>Leroy GARDNER; Imperial College London, UK</i>
11:30 am Lecture 4	Concrete-filled steel tubular (CFST) structures: Theory, practice and standard system <i>Lin-Hai HAN; Guangxi University & Tsinghua University, China</i>
12:00 noon Lecture 5	An investigation of multi-hazards resistance performance of steel-concrete composite structures <i>Hong HAO; Guangzhou University, China & Curtin University, Australia</i>
12:30 pm	Lunch Break
2:00 pm Lecture 6	Performance of cold-formed steel screwed connection in monotonic and cyclic loadings <i>Hieng-Ho LAU; Swinburne University of Technology (Sarawak Campus), Malaysia</i>
2:30 pm Lecture 7	Unleashing potential of high-strength materials in tall building design and construction <i>J Y Richard LIEW; National University of Singapore, Singapore</i>
3:00 pm Lecture 8	Tubular Joints: Insights, research and challenges <i>Luciano LIMA; UERJ - State University of Rio de Janeiro, Brazil</i>
3:30 pm	Tea/Coffee Break
4:00 pm Lecture 9	FastFloor – Development of a novel modular steel floor system for commercial construction in the United States <i>Ben SCHAFER; Johns Hopkins University, USA</i>
4:30 pm Lecture 10	Towards 3D printed steel-concrete composite structural components: Processes, products and performance <i>Luís Simões da SILVA; University of Coimbra, Portugal</i>
5:00 pm	Closing remarks
5:30 pm	End

Online Registration Form

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Registration Deadline: 29 November 2024 (Friday)

Registration Link: <https://events.polyu.edu.hk/ASCCS2024/registration>

Registration QR Code:



For registration details, please contact Dr. Qiu-Yun Li (Tel: 68193685, Email: asccs2024@polyu.edu.hk).

For latest information, please refer to the following conference website:

<https://events.polyu.edu.hk/ASCCS2024/home>