

## First Announcement & Call for Papers

### Second Workshop of High Performance Steel Structures Research Council (HPSSRC Workshop II)



**May 13-14, 2020**

**Tsinghua University, Beijing, China.**

**Chairmen** Gang Shi, Tsinghua University  
Frans Bijlaard, Delft University of Technology  
Milan Veljkovic, Delft University of Technology

**HPSSRC Secretary** Xuhong Qiang, Tongji University

**Workshop Secretary** Xuesen Chen, Tsinghua University

### About HPSSRC

The international research council named *High Performance Steel Structures Research Council (HPSSRC)* was founded in 2018, initiated by Prof. Gang Shi, Prof. Frans Bijlaard and Prof. Milan Veljkovic. HPSSRC focuses on the researches related to high performance steel structures. “High performance steel” (HPS) herein includes high strength steel, stainless steel, weathering steel, fire-resistant steel, high-toughness steel, low-yield-point steel, memory alloy steel, additive manufacturing steel and other types/grades of steel used in construction different from low grade carbon steel.

Currently, the council focuses on the structures made of HPS and their joints using bolted and welded connections. Topics of fabrication, execution and reuse of members and structures, are included for sustainability assessments of HPS structures. The council primarily focuses on the research and developments related to construction sector.

The main objective of the council is to systematize exiting knowledge and encourage new research activity using HPS, by organizing workshops, facilitate discussion between researchers and by preparing e-books and short reports disseminate research results for ease of use of HPS in practical applications.

It brings together experts in research and education from all over the world to promote cooperation and communication in the field of high performance steel structures.

The workshop is organized every two years. The first HPSSRC workshop was successfully held in 2018 in Delft, the Netherlands. In 2020, **HPSSRC Workshop II** will be held on May 13-14 (one and a half days are planned for workshop, an additional half day for the steering committee meeting) in Beijing, China. We are looking forward to meeting you and discuss the state of art of HPS in Construction.

### Call for papers

We hope that you participate in **HPSSRC Workshop II** and to prepare a short paper (max. 10 pages) and/or a PowerPoint presentation describing an overview of your present and very recent research on the topic of “High Performance Steel Structures for application in construction”. Before the final paper and/or PowerPoint presentation, you are cordially invited to submit **an abstract of about 300 words** to [chenxuesen@tsinghua.edu.cn](mailto:chenxuesen@tsinghua.edu.cn) (Dr. Xuesen Chen) before **February 1, 2020**.

HPSSRC Workshop attendance is by invitation only, and is limited to experts in research, design education, manufacture, and construction in the field of HPS. MSc student attendances will not be accepted. The papers and presentations will be collected into the workshop proceedings for academic communications, and would not be published or provided online.

In the workshop, 6 research topics are planned per full day, which will be arranged in the final program based on received contributions. A keynote speaker of each session will be invited, to present an overview of the latest research on the session topic.

For the workshop, no registration fee is needed and participants will only pay for their own accommodation and traveling costs. A workshop buffet and walking lunches (i.e. sandwiches, beverages, soup and some Chinese food) would be offered by the organizers. Moreover, we will provide necessary assistances for possible visa application and practical information for transport from Beijing Airport to Tsinghua University, as well as hotel accommodations in and around Tsinghua University.

## Committee Members

Prof. Gang Shi, Tsinghua University, China  
Prof. Frans S. K. Bijlaard, Delft University of Technology, the Netherlands  
Prof. Milan Veljkovic, Delft University of Technology, the Netherlands  
Prof. Ian Richardson, TU-Delft Metal Research, the Netherlands  
Prof. Jilt Sietsma, TU-Delft Metal Research, the Netherlands  
Dr. Ana Girao, SCI, UK  
Ms. Nancy Baddoo, SCI, UK  
Dr. Richard Pijpers, TNO, the Netherlands  
Prof. Johan Maljaars, TNO, the Netherlands  
Dr. Sjors van Es, TNO, the Netherlands  
Prof. Yiyi Chen, Tongji University, China  
Dr. Xuhong Qiang, Tongji University, China  
Dr. Xu Jiang, Tongji University, China  
Prof. Ailin Zhang, Beijing University of Civil Engineering and Architecture, China  
Prof. Jiping Hao, Xi'an University of Architecture and Technology, China  
Prof. Feng Fan, Harbin Institute of Technology, China  
Prof. Yang Ding, Tianjin University, China  
Prof. Zhan Wang, South China University of Technology, China  
Prof. Ganping Shu, Southeast University, China  
Prof. Lu Yang, Beijing University of Technology, China  
Dr. Weihui Zhong, Xi'an University of Architecture and Technology, China  
Prof. Leroy Gardner, Imperial College, UK  
Prof. Ben Young, Hong Kong University  
Prof. K. F. Chung, Hong Kong Polytechnic University  
Dr. Tak-Ming Chan, Hong Kong Polytechnic University  
Prof. J. Y. Richard Liew, National University of Singapore, Singapore  
Prof. Brian Uy, University of Sydney, Australia  
Prof. X. L. Zhao, Monash University, Australia  
Prof. Sing Ping Chiew, Nanjang University of Singapore, Singapore

Prof. Luis Simoes da Silva, University of Coimbra, Portugal  
Prof. František Wald, Czech Technical University in Prague, Czech Republic  
Prof. Raffaele Landolfo, University of Naples Federico II, Italy  
Prof. Dan Dubina, University Politehnica of Timisoara, Romania  
Prof. M. Feldman, RWTH Aachen, Germany  
Prof. Richard Stroetmann, University of Dresden, Germany  
Prof. Thomas Ummenhofer, Karlsruhe Institute of Technology, Germany  
Prof. Ulrike Kuhlmann, Stuttgart University, Germany  
Prof. Timo Björk, Lappeenranta University of Technology, Finland  
Prof. Mikko Malaska, Tampere University of Technology, Finland  
Prof. Primoz Moze, University of Ljubljana, Slovenia  
Prof. Hartmut Pasternak, Lehrstuhl für Stahl-und Holzbau, BTU, Cottbus, Germany  
Prof. Eiki Yamaguchi, Kyushu Institute of Technology Tobata, Kitakyushu, Japan  
Prof. Cheol-Ho Lee, Seoul National University, Seoul, Republic of Korea  
Prof. Hak-Eun Lee, Korea University, Seoul, South Korea  
Prof. Lee Chi King, University of New South Wales, Canberra, Australia  
Prof. Dimitrios Lignos, Swiss Federal Institute of Technology, Lausanne, Switzerland  
Prof. Charalampos, Baniotopoulos, University of Birmingham, UK  
Dr. Jakub Dolejš, Czech Technical University in Prague, Czech Republic

## Key Dates

- Indication of participation and abstract submission: **February 1, 2020**
- Abstract acceptance: **February 10, 2020**
- Final paper submission\*: **April 15, 2020**
- Program and preliminary proceedings: **May 1, 2020**

\*Note: All information, including papers, PDF file or PPT and specific topic discussion should be submitted in order to facilitate the program of the workshop.