

First Announcement & Call for Papers

First Workshop of High Performance Steel Structures Research Council (HPSSRC)

May 17-18, 2018

Delft, the Netherlands



Organizers

Gang Shi, Tsinghua University

Frans Bijlaard, Delft University of Technology

Milan Veljkovic, Delft University of Technology

Xuhong Qiang, Tongji University, Secretary of HPSSRC

About HPSSRC

The international research council named *High Performance Steel Structures Research Council (HPSSRC)* has been proposed to found, which focuses on the researches related to high performance steel structures. “High performance steel” herein includes high strength steel, stainless steel, weathering steel, fire-resistant steel, high performance steel, low-yield-point steel, memory alloy steel, additive manufacturing steel and other types/grades of steel different from low grade carbon steel.

Currently, the council focuses on the structures made of high performance steels (HPS) and their joints using bolted and welded connections. Topics of fabrication and execution are included for sustainability assessments of HPS structures. For the time being, topics of steel metallurgy and welding technology are not included although they are very important. The council primarily focuses on the academic area.

The main objective of the council is to systematize existing knowledge and encourage new research activity using HPS, by organizing workshops and preparing e-books to disseminate research results for ease of use of HPS in the construction sector.

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

The workshop will be held every two years. The first workshop of HPSSRC will be held on May 17-18 (one and a half days are planned for workshop, an additional half day for the steering committee meeting) in Delft, the Netherlands. We are looking forward to seeing you to discuss the state of art of High Performance Steels in construction with all the participants from all over the world.

Committee Members

Prof. Gang Shi, Tsinghua University, Beijing, China

Prof. Frans S.K. Bijlaard, Delft University of Technology, the Netherlands

Prof. Milan Veljkovic, Delft University of Technology, the Netherlands

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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, Nanyang 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. Primož 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

Call for Papers

We hope that you participate in the first workshop 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, you are cordially invited to submit **an abstract of about 300 words** to Dr. Xuhong Qiang via Qiangxuhong@tongji.edu.cn **before February 1, 2018**.

Depending on the amount of contributions we will invite an appropriate number of session chairmen to chair the sessions and to propose related questions to be discussed at the workshop.

In the workshop 5-6 research topics are planned per full day, which will be arranged in the final program depending on the amount of the contributions. Each session chairman will present an overview of their topic within 10~15 minutes followed by a discussion of 15 minutes. Presentations will be sorted in themes, and after each theme the chairman of a session should initiate discussion and prepare minutes for the final proceedings.

For the workshop, no registration fee is needed and participants will only pay for their own accommodation and traffic costs by themselves. A workshop buffet and walking lunches (i.e. sandwiches, beverages and soup) will be organized. Moreover, we will provide necessary assistances for possible visa application and practical information for transport from Amsterdam Airport (Schiphol) to Delft as well as hotel accommodations in and around Delft. Detailed information will follow soon.

Key Dates

Indication of participation and Abstract Submission:	February 1, 2018
Paper Acceptance:	February 10, 2018
Final Paper Submission*:	April 15, 2018
Program and preliminary proceedings	May 1, 2018

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