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Jointless Bridges

# **2<sup>nd</sup> International Symposium on Jointless & Sustainable Bridges - ISJSB2019**

## **Preliminary Invitation and Call for Abstracts**

ISJS2019 Symposium  
July 15–19, 2019  
Harbin  
Heilongjiang Province, China

# About the Symposium

## Hosting Organization

International Association of Jointless Bridges (IAJB)

## Organizers

Northeast Forestry University (NFU)

Fuzhou University (FZU)

International Association of Bridge Earthquake Engineering (IABEE)

Committee of Sustainable Civil Engineering, Urban Science Research Institute, China

## Dates and Venue

Date: July 15-19, 2019

Venue: Northeast Forestry University

Hexing Road, Xiangfang District

Harbin, Heilongjiang, China

## Introduction

Sustainability is a holistic concept that is becoming increasingly important in the construction sector. Jointless bridge meeting sustainable development trend has been widely used in developed and is being promoted to developing countries. Compared with the conventional bridge, it has lower maintenance costs due to elimination of joints, improved vehicular riding quality due to the smooth, uninterrupted deck, lower noise, as well as larger mitigation capability against disaster.

In order to promote the application and development of jointless bridges, the International Association of Jointless Bridges (IAJB) was established during the first international Workshop of jointless bridge held in Fuzhou (China) on March 8-14, 2014. Subsequently, four workshops were held in China and the United States in 2015, 2016, 2017 and 2018, respectively. The jointless bridge terminology, international guideline, technical development direction and association work were discussed in these workshops and important progress was made.

The International Association of Jointless Bridge held the first International Symposium on Jointless & Sustainable Bridges (ISJSB'2016) in Fuzhou (China) from May 12<sup>th</sup> to 14<sup>th</sup>, 2016. Experts and scholars from China, United States, Canada, Italy, Spain, Germany and Turkey participated in the conference, and conducted in-depth discussions and exchanges on topics such as design, construction, maintenance and retrofitting of bridges without expansion joints. The topic of sustainable bridge technology was also discussed. The IAJB Association decided to hold

the ISJSB meeting every three years, and to organize the second Symposium (ISJSB'2019) in Harbin (China) from July 15-19, 2019.

Experts and researchers are welcome to attend the Symposium to exchange ideas and experiences on bridge design, construction and maintenance issues as well as ideas for future growth and sustainability.

### **Symposium Topics**

Topics to be covered in the Symposium include but are not limited to:

- Codes and guidelines for Jointless Bridges
- Soil Structure Interaction (SSI)
- Seismic Response and Resilience of Jointless Bridges
- Design of Jointless Bridges
- Retrofitting of existing conventional bridges to a new integral configuration
- Development of Sustainable Bridges
- New and high performance materials for durable Bridges
- Life cycle cost of Bridges
- Health monitoring of Bridges
- Durability performance of bridges

### **Registration**

The conference registration fee includes: a) attendance; b) proceedings in CD; c) lunch and coffee breaks; e) conference banquet and welcome reception.

Accompanying person will not receive the proceedings.

Registration Fee	Early Bird fee Until June 15, 2019	Standard Fee After June 15, 2019
Delegate	\$600/¥4000	\$800/¥5500
Student	\$300/¥2000	\$400/¥2750
Accompanying Person	\$400/¥2750	

# Call for Abstracts

A request for abstracts for the ISJS2019 Symposium is now open.

The abstract and full paper templates can be downloaded at: <http://jointlessbridges.fzu.edu.cn/>.

The abstract format file name is: IAJB2019\_Abstract\_Template; the full-text format file name is: IAJB2019\_FULLpaper\_Template.

Please submit your abstracts by March 30, 2019 to the following emails:  
huangfuyun@fzu.edu.cn or ldzhxldzhx@163.com.

**Selected papers will be recommended for publication in a special issue of Journal of Bridge Engineering (2019, Jointless Bridge), ASCE.**

## **Important Dates**

<b>Abstract Submission</b>	<b>March 30, 2019</b>
<b>Abstract Acceptance</b>	<b>April 15, 2019</b>
<b>Full Paper Submission</b>	<b>May 30, 2019</b>
<b>Pre-registration Due</b>	<b>June 15, 2019</b>
<b>Symposium</b>	<b>July 15-19, 2019</b>

# COMMITTEES

## International Scientific Committee

Philip W. Yen, Chair	International Association of Bridge Earthquake Engineering (IABEE), USA
Qingguo Ben	Sujiao Group Co., Ltd., China
Christian Binder	Schimetta Consult ZTGmbH, Austria
Bruno Briseghella	Fuzhou University, China
Ian Buckle	University of Nevada, USA
Alp Caner	Middle East Technical University, Turkey
Damien Champenoy	Civil Engineering Structures, Cerema Est, France
Baochun Chen	Fuzhou University, China
Frank Y. Chen	Pennsylvania State University, USA
Yiyan Chen	Shenzhen Municipal Design and Research Institute Co., Ltd., China
Peter Dusicka	Portland State University, USA
Roman Geier	Schimetta Consult ZTGmbH, Austria
Fuyun Huang	Fuzhou University, China
Philippe Jandin	Civil Engineering Structures, Cerema Est, France
Bijan Khaleghi	Department of Transportation, Washington State, USA
Thomas Kuhnle	Schimetta Consult ZTGmbH, Austria
Voo Yen Lei	Dura Technology, Malaysia
Yongjian Liu	Chang'an University, China
Giuseppe Carlo Marano	Fuzhou University, China
Xu Ming	Tsinghua University, China
Stergios A.Mitoulis	University of Surrey, UK
George Mylonakis	University of Bristol, UK
Camillo Nuti	University of Roma Tre, Italy
Alessandro Palermo	University of Canterbury, New Zealand
Hans Petursson	Swedish Transport Administration, Sweden
Khaled Sennah	Ryerson university, Canada
Anastasisos Sextos	University of Bristol, UK
Habib Tabatabai	University of Wisconsin-Milwaukee, USA
Yuanfeng Wang	Beijing Jiaotong University, China
Jiangang Wei	Fujian College of Engineering, China
Jianzhuang Xiao	Tongji University, China
Tianlai Yu	Northeast Forestry University, China
Yizhou Zhuang	Fuzhou University, China
Qihong Zhao	Tianjin University, China

## **Organizing Committee**

Tianlai Yu, Chair	Northeast Forestry University, China
Fuyun Huang, Co-Chair	Fuzhou University, China
Hongxiang Zhang, Secretary	Northeast Forestry University, China
Linda Kuo	International Association of Bridge Earthquake Engineering (IABEE), USA
Junqing Xue	Fuzhou University, China
Jiazhan Su	Fuzhou University, China
Yufan Huang	Fuzhou University, China
Guanglong Yu	Northeast Forestry University, China
Guowei Zhang	Northeast Forestry University, China
Yagebai Zhao	Northeast Forestry University, China
Yan Yang	Fuzhou University, China

# CONFERENCE VENUE

The conference will be held at Northeast Forestry University in Harbin, Heilongjiang Province, China.

The venue address is: Northeast Forestry University, No. 26, Hexing Road, Xiangfang District, Harbin, Heilongjiang Province, China.



Harbin is the capital and largest city of Heilongjiang province in the northeastern region of China. It is the most populous city in Northeast China and serves as a key political, economic, scientific, cultural, and communications hub, as well as an important industrial base of the nation. Harbin, which was originally a Manchu word meaning "a place for drying fishing nets", grew from a small rural settlement on the Songhua River to become one of the largest cities in Northeast China. Founded in 1898 with the coming of the Chinese Eastern Railway, the city first prospered as a region inhabited by an overwhelming majority of the immigrants from the Russian Empire. Having the most bitterly cold winters among major Chinese cities, Harbin is heralded as the Ice City for its well-known winter tourism and recreations. Harbin is notable for its beautiful ice sculpture festival in the winter and is well known for its historical Russian legacy. In the 1920s, the city was considered China's fashion capital since new designs from Paris and Moscow reached here first before arriving in Shanghai.