

**Second International Workshop on Resilience  
October 31-November 1, 2018, Nanjing, China and  
November 2, 2018, Shanghai, China**



**Scope/Themes and the Objectives:**

The devastating effects of recent natural hazards and disasters such as hurricanes, earthquakes, tsunamis, etc., on one hand, and the fragile status of infrastructures systems, on the other hand, have underscored that a great deal remains to be done. This workshop is intended to raise the awareness about this important topic and to suggest strategies that can foster new paradigms in the interface of critical infrastructures and the economic and social impact of resilience.

To address the fundamental themes associated with resilience, both senior researchers, who have a broad view of the field, and some of the most promising young researchers, who will lead the activities in the decades to come, have been invited to participate as keynote speakers as well as the organizers of the Working Sessions. We will first examine the state of knowledge in light of the lessons learned from recent major disasters, as well as discuss the importance of resilience assessment of infrastructure. Attendees will represent researchers from Japan, China, Korea and other Asian Countries, as well as Europe, South and North America. The keynote talks would address important and critical themes and of current and future research in resilience. In the Working Sessions, the session chairs and several speakers from each region will present their vision of where the resilience of infrastructure and built environment needs to be to enable this interdisciplinary research area to better steward the built environment and make the global society more resilient to natural disasters, and what needs to be done to get there. Subsequently, small-group discussions on: design and improvement of new and existing structures and infrastructure, implementation in engineering practice to immediately affect the resilience of our communities, and emerging disciplines such as artificial intelligence and other fields to develop and adopt new civil/structural technologies and modeling tools. Different approaches in the world and their eventual synergetic effects on future development will be examined and discussed, as well as ideas how to coordinate efforts among the world-leading engineering communities will be discussed. Finally, the contributions from various working sessions and discussion, together with the conclusions and resolutions, will be published in a special issue in the International Journal on Smart Materials and Structural Systems. The first two days of the workshop will take place in Nanjing at Southeast University, while the third day will be hosted in Shanghai by Tongji University.

**Breakout and Brainstorming Sessions/Outcomes:**

In addition to keynote and invitational presentations, the program will include several Working and Brainstorming Sessions aimed at developing recommendations and suggested action plans that will identify the challenges, motivations, applications, and impacts. These recommendations will be collected and published as a set of conclusions, resolutions and recommendations.

**Conference Co-Chairs:**

Professor Zhishen Wu, Southeast University  
Professor Xilin Lu, Tongji University

**Organizing Committee:**

Professor Xilin Lu, Tongji University (Chair)  
Professor Zhishen Wu, Southeast University, China and Ibaraki University, Japan (Chair)  
Professor Mohammad Noori, Cal Poly, CA, USA and Southeast University, China (General Secretary)  
Professor Jian Zhang, Southeast University (General Secretary)  
Professor Ying Zhou, Tongji University (General Secretary)  
Professor Ertugrul Taciroglu, Univ. of California Los Angeles, USA and Zhejiang Univ. of Technology, China  
Dr. Ying Zhao, International Institute for Urban Systems Engineering (IIUSE), Southeast University, China  
Dr. Gian Paolo Cimellaro, Politecnico di Torino, Turin, Italy  
Dr. Wael Altabay, International Institute for Urban Systems Engineering (IIUSE), Southeast University, China

Dr. Huang Huang, Ibaraki University, Ibaraki Prefecture, Japan

### **Scientific Advisory Committee:**

Anil Kumar Agrawal, City College of the City University of New York, USA  
Farhad Ansari, University of Illinois, Chicago, USA  
Ayyub, Bilal, University of Maryland, College Park, Maryland, USA  
Ruben Boroschek, Universidad de Chile, Santiago, Chile  
Michel Bruneau, University at Buffalo, Buffalo, New York, USA  
Stephanie Chang, SCARP, Vancouver, Canada  
Gian Paolo Cimellaro, Politecnico di Torino, Turin, Italy  
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Ken Elwood, University of Auckland, New Zealand  
Peter Fajfar, University of Ljubljana, Ljubljana, Slovenia  
Dan M. Frangopol, Lehigh University, Pennsylvania, USA  
Professor Yozo Fujiono, Institute of Advanced Sciences, Yokohama, Japan  
Paolo Gardoni, University of Illinois, Urbana, Illinois, USA  
Xilin Lu, Tongji University, Shanghai, China  
Khalid Mosalam, UC Berkeley, Berkeley, CA, USA  
Aftab Mufti, University of Manitoba, Winnipeg, Manitoba, Canada  
Masayoshi Nakashima, Kyoto University, Kyoto, Japan  
Mohammad Noori, Cal Poly, San Luis Obispo, California, USA, & IIUSE, Southeast University, Nanjing, China  
Jinping Ou, Harbin Institute of Technology, Harbin, China  
Andrei M. Reinhorn, University at Buffalo, Buffalo, USA  
Ian Smith, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland  
Božidar Stojadinović, ETH Zurich, Zurich, Switzerland  
Ertugrul Taciroglu, UCLA, Los Angeles, California, USA  
John W. van de Lindt, Colorado State University, Colorado, USA  
John Wallace, UCLA, Los Angeles, CA, USA  
Helmut Wenzel, Vienna Consulting Engineering, Vienna, Austria  
Andrew Whittaker, Institute of Bridge Engineering, Buffalo, New York, USA  
Lili Xie, Harbin Institute of Technology, Harbin, China  
Zhishen Wu, Ibaraki University, Ibaraki Prefecture, Japan, & IIUSE, Southeast University, Nanjing, China  
Professor Xuhong Zhou, Chongqing University, China

**Date: October 31-November 2, 2018**

### **Tentative Schedule:**

<b>Date/Place</b>	<b>Morning</b>	<b>Afternoon</b>
October 31/Nanjing	Keynote Lectures	Working Sessions
November 1/Nanjing	Working Sessions	Tour and Moving to Shanghai
November 2/Shanghai	Keynote Lectures	Working Sessions & Resolutions

### **Important Information and Deadlines:**

Deadline for 150-word abstract submission: July 15, 2018

Deadline for the submission of a full paper: September 30, 2018

#### **Registration Fee \$400**

- Registration fee will be paid on-site by credit card. The Organizing Committee plans to reserve a block of rooms at Liuyuan Hotel for the attendees in Nanjing. All attendees are required to send the number of rooms they need at the time of submitting their abstracts.

### **Abstract and Summary Paper submission:**

All submissions should be sent to:

**Professor Mohammad Noori at [mnoori@outlook.com](mailto:mnoori@outlook.com)**

Selected papers will be considered for peer review and publication in a Special Volume of the *International Journal of Sustainable Materials and Structural Systems*. *Guest Editors*: Professor Jian Zhang, Southeast University, Nanjing, China and Professor Gian Paolo Cimellaro, Politecnico di Torino, Turin, Italy, and Professor Ertugrul Taciroglu, UCLA, California, US.

**Conference website:** <http://www.workshop-china2018.resiltronics.org/index.html>

### **Conference venue**

Second International Workshop on Resilience will be held at Liu Yuan Hotel, in Nanjing and at Tongji Architecture Design Group (TJAD) in Shanghai. These venues are located at:

Liuyuan Hotel

38 Jinxianghe Road, Xuanwu District, Nanjing, China

Tel: +86- 25-83680666

<https://www.agoda.com/liuyuan-hotel/hotel/all/nanjing-cn.html?>

Conference Hall (1F)

Tongji Architecture Design Group (TJAD)

1230 Siping Road, Shanghai 200092, China

<http://www.tjad.cn/>

Kingswell Hotel Tongji

Address: 50 Zhangwu Road, Yangpu District, Shanghai, China

Tel: +86-21-33626868

<http://www.kingswelltongji.com/home.html>

### **About Nanjing and Shanghai**

For further information regarding Nanjing and Shanghai please visit:

<https://en.wikipedia.org/wiki/Nanjing>

<https://ro.wikipedia.org/wiki/Shanghai>, <https://edition.cnn.com/travel/destinations/shanghai>

### **Sponsors**

Southeast University

Tongji University

### **How to Travel to Nanjing and Shanghai**

#### **Nanjing:**

Nanjing's airport, Lukou International Airport, serves both national and international flights. The airport currently has 85 routes to national and international destinations, including Japan, Korea, Thailand, Malaysia, Singapore, Italy, United States and Germany. The airport is connected by a 29-kilometer highway directly to the city center, and is also linked to various intercity highways, making it accessible to the passengers from the surrounding cities. A railway Ningao Intercity Line links the airport with Nanjing South Railway Station. The most convenient way to travel from Nanjing to Shanghai is by Nanjing-Shanghai High Speed train. Organizing Committee will make the arrangements and all participants will receive train tickets at on-site registration desk.

#### **Shanghai:**

Shanghai is one of the leading air transport gateways in Asia. The city has two commercial airports: Shanghai Pudong International Airport and Shanghai Hongqiao International Airport. Pudong Airport is the main international airport.

### **Workshop Sessions and the Post Workshop Tours – To Be Announced**