

Cooperation

- China: Southwest Jiaotong University;
National Natural Science Foundation of China
- Japan: Research Institute of Lifeline Engineering, Inc. ;
Lifeline Network, Kansai (LiNK), Japan
- U.S.A.: Technical Council on Lifeline Earthquake Engineering, American Society of Civil Engineers ;
University of Texas at Arlington;
International Association of Chinese Geotechnical Engineers

Steering Committees

Honor Chairman

- China: **Hu Yuxian**, Member of Chinese Academy of Sciences, Institute of Geophysics, China Earthquake Administration
- Japan: **Shiro Takada**, Emeritus Professor, Kobe University
- U.S.A.: **Jean-Pierre Bardet**, Professor, University of Texas at Arlington

Technical Committee

- China: **Xie Lili**, Member of Chinese Academy of Engineering, Institute of Engineering Mechanics, China Earthquake Administration
- Japan: **Masakatsu Miyajima**, Professor, Kanazawa University
- U.S.A.: **Craig Davis**, Ph.D., Los Angeles Department of Water and Power

Organizing Committee

- China: **Du Xiuli**, Professor, Beijing University of Technology
Su Qian, Professor, Southwest Jiaotong University
- Japan: **Masaho Yoshida**, Professor, Fukui National College of Technology
- U.S.A.: **Endi Zhai**, Ph.D., Kleinfelder Inc.

Background

The first China-Japan Symposium on Lifeline Earthquake Engineering was held in 1990 at Beijing, China on the cooperative research between CRIBC (Central Research Institute of Building and Construction) and Kobe University in Japan containing wider researchers and engineers in China and Japan who were interested in Lifeline Earthquake Engineering. The second Symposium as a tri-lateral symposium of China-Japan and US joint programs was held in 1994 at Xi'an, China under the official US-China protocol program on cooperative earthquake engineering studies. The third, the fourth and the fifth Symposiums were held in 1998 at Kunming, in 2002 at Qingdao, and in 2007 at Haikou China, respectively. The sixth Symposium will be held in Chengdu, China on the topic of Seismic Risk Management of Lifelines under lessons from recent huge earthquakes such as 2008 Wenchuan, 2009 Indonesia, 2010 Haiti, Chile and New Zealand, and 2011 Japan. It will take place in Chengdu in recognition of the Wenchuan earthquake that struck Chengdu in 2008.

Objective

The objective of the Symposium is to provide a forum for Chinese, Japanese and US professional lifeline engineers and researchers, for mutual exchange of recent results of main investigations on Lifeline Earthquake Engineering, including buried pipeline, bridge, road and railway systems, etc. Recent severe earthquakes caused not only the direct community losses of damaged lifeline facilities, but also the indirect loss caused by the interruption of lifeline function. Seismic resilience is thus very important issue to reduce community impacts and the physical and functional damages related to lifelines. The issue of seismic resilience for lifelines will be emphasized in the Sixth Symposium.

First Circular

Sixth China-Japan-US Trilateral Symposium on Lifeline Earthquake Engineering

October 23rd ~ 27th, 2012
Chengdu, Sichuan, China

Organized by
Beijing University of Technology, China
Kanazawa University, Japan
University of Southern California, U.S.A.

Secretariat Section :

China: Zhao Xu, Liu Aiwen, Cui Kai
Japan: Akira Murata
U.S.A.: Liping Yan

Seminar Contents

- Opening
- Keynote Speech
- Technical Presentation
- Resolution
- Closing
- Technical Tour

Presentation Topics

- Geotechnical problems of Lifeline
- Tsunami Impacts on Lifelines
- Damage Mechanism and Analysis of Lifeline and Disaster Simulation
- Dynamic Behavior of Buried Pipelines under Near Field Ground Motions and Fault Movement
- Application of GIS and GPS to Lifeline Disaster Prevention
- Monitoring and Sensing Systems of Lifeline Network Performance and Strong Ground Motions Including Permanent Displacement
- Emergency Response for Lifeline Network and Disaster Information System
- Restoration, Reconstruction and Function Rehabilitation Strategy
- Socio-Economical Impact and Consequence Control of Lifeline Damage
- Optimum Budget for Counter-measures on Lifeline Systems and Consensus on Acceptable Risk
- Business Continuity Management Related to Lifeline Network System
- The Damage during the 2008 Wenchuan Earthquake and the 2011 off the Pacific Coast of Tohoku Earthquake
- Others

Official Language

The official language of the symposium will be Chinese, Japanese and English. For communication, the presentation must be done in English, the papers must be written in English. Discussion can be done in three languages.

Call for Papers

Please send us a one-page abstract of your presentation written in English including Author's name, address, telephone, fax and E-mail to the corresponding persons given below. The abstract is due May 31st, 2012. The general guidelines for preparation of the papers will be provided in the second circular. Papers should be send to one of the following email addresses:

China: Dr. Zhao Xu
bjutigue@163.com
Japan: Prof. Masakatsu Miyajima
miyajima@se.kanazawa-u.ac.jp
U.S.A.: Dr. Craig Davis
craig.davis@ladwp.com

Important Dates

Call for abstracts: March 31st, 2012
Deadline to receive the abstracts: May 31st, 2012
Abstract acceptance notification: June 30th, 2012
Deadline to receive the papers: July 31st, 2012
Paper acceptance notification: August 31st, 2012
Symposium: October 23rd ~ 27th, 2012

Registration Fee

US\$ 320.00

Symposium Location

Chengdu is a well-known city in Southwest China, and accessible by Chengdu Int. Airport. The venue for symposium at Chengdu will be given in the later circular.

Further Details

If you would like to receive more information, please contact:

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