

## call for papers

### Objective

Reliability engineering and risk management have been attracting increasing attention and are of growing importance in civil, mechanical, aerospace and aeronautics, offshore and marine engineering, as well as in many other disciplines of engineering. With this background, the aim of the International Symposium on Reliability Engineering and Risk Management (ISRERM'2012) is to bring engineers and scientists all over the world together to present and discuss innovative methodologies and the practical applications of these technologies in the field of reliability engineering and risk management. Emerging concepts as well as state of the art and novel applications of reliability principles and risk based decision making in all types of structures, infrastructures and mechanical systems will be emphasized within the scope of the symposium. In this context, papers on theories, methods, algorithms and applications are all welcome.

### Topics

The following specific areas are of special interest, although these are not inclusive:

- Bridges and Buildings
- Damage Analysis and Assessment
- Durability
- Life-cycle Analysis
- Fatigue Reliability
- Lifeline Engineering and Network
- Natural and Man-made Hazards
- Random Vibration and Stochastic Mechanics
- Reliability Theory
- System Reliability
- Reliability-based Design and Regulations
- Reliability-based Optimization and Control
- Performance-based Design Methods
- Uncertainty Quantification and Risk Assessment Models
- Insurance and Management of Risk
- Risk-Based Decision Making
- Risk Management Methods
- Time-dependent Reliability

### Submission and Publication

Abstracts of about 300 words on any of the above topics are invited by June 30, 2011. All abstracts and full papers must be submitted electronically in MS-WORD format to [ISRERM2012@yahoo.co.jp](mailto:ISRERM2012@yahoo.co.jp), or directly through the the conference website [www.isrerm2012.com](http://www.isrerm2012.com). The e-mail message should include the authors' full names, affiliations and the full title of the paper. Each presenting participant can submit only one manuscript. Detailed instructions are available at the conference website [www.isrerm2012.com](http://www.isrerm2012.com). Each paper will be reviewed by at least two reviewers. The paper must be well written in acceptable English language, containing an informative introduction and major findings and/or conclusions. Accepted papers will be published in a special volume of the conference proceedings with international standard book number (ISBN). The Scientific Committee of ISRERM'2012 will select and recommend some of the conference papers (based on the quality) to the appropriate SCI indexed journals for publication.

### Fees

The registration fee for presenters and other participants is JPY 50,000. The registration fee will cover attendance at all sessions of the symposium, symposium teas and lunches, one set of the published symposium proceedings, the welcome reception and the symposium dinner. The registration fee for students is JPY 20,000. For accompanying persons, the registration fee will be JPY 10,000.

### Important Dates

Deadline for abstract submission	June 30, 2011
Notification of abstract acceptance	Aug. 31, 2011
Deadline for full paper submission	Nov. 30, 2011
Notification of full paper acceptance	Mar. 31, 2012
Deadline for early registration	Mar. 31, 2012
Symposium	Aug. 5-8, 2012

### Venue

Kanagawa University (Yokohama Campus)  
<http://www.kanagawa-u.ac.jp/english/>

# ISRERM' 2012

INTERNATIONAL SYMPOSIUM ON RELIABILITY  
ENGINEERING & RISK MANAGEMENT

August 5-8, 2012

Kanagawa University, Yokohama, Japan

## Call for Papers



### Organized by

- Kanagawa University
- Tongji University
- International Association for Structural Safety and Reliability (IASSAR)

# call for papers

## International Advisory Committee

A.H-S. Ang, USA (Chair)  
D. M. Frangopol, USA (Co-Chair)  
G. Augusti, Italy  
B. Ellingwood, USA  
L. Esteva, Mexico  
H. Furuta, Japan  
S. H. Kim, Korea  
A. Der Kiureghian, USA

X. L. Liu, China  
R. E. Melchers, Australia  
T. Ono, Japan  
Z. Y. Shen, China  
G. D. Cheng, China  
T. Ohkuma, Japan  
P. D. Spanos, USA  
W. H. Tang, China

## International Scientific Committee

J. Li, China (Chair)  
M. Faber, Switzerland (Co-Chair)  
Y. G. Zhao, Japan  
J. L. Beck, USA  
L. A. Bergman, USA  
C. Bucher, Austria  
R. H. Chen, China  
J. B. Chen, China  
M. K. Chryssanthopoulos, UK  
M. Ciampoli, Italy  
J. P. Conte, USA  
D. DeLeon, Mexico  
G. Deodatis, USA  
C. Dong, China  
A. C. Estes, USA  
T. Enomoto, Japan  
R. Ghanem, USA  
M. Ghosn, USA  
M. Giofrè, Italy  
L. Graham-Brady, USA  
A. Haldar, USA  
B. Huang, China  
M. Holicky, Czech Republic  
M. Iwata, Japan  
H. P. Hong, Canada  
H. A. Jensen, Chile  
W. L. Jin, China  
A. Kiremidjian, USA  
C. G. Koh, Singapore

M. Lemaire, France  
C. Q. Li, UK  
H. N. Li, China  
G. Q. Li, China  
K.W. Liao, China  
D. G. Lu, China  
S. Mahadevan, USA  
T. Moan, Norway  
Y. Mori, Japan  
D. Novak, Czech Republic  
A. S. Nowak, USA  
M. Pandey, Canada  
M. Papadrakakis, Greece  
U. Peil, Germany  
K. K. Phoon, Singapore  
J. D. Riera, Brazil  
H. Sandi, Romania  
G. I. Schueller, Austria  
W. Shiraki, Japan  
K. Shimazaki, Japan  
K. Sobczyk, Poland  
C. Soize, France  
M. G. Stewart, Australia  
T. Takada, Japan  
D. Val, UK  
J.J., Wang, China  
Y. Q. Xiang, China  
Z. W. Yu, China  
C. B. Yun, Korea

## Sponsorship

The Symposium is organized and sponsored jointly by Kanagawa University, Tongji University, and the International Association for Structural Safety and Reliability (IASSAR) .

## Co-Sponsors

National Natural Science Foundation of China (NSFC)  
American Society of Civil Engineering (ASCE)  
Architectural Institute of Japan (AIJ)  
Japanese Society of Civil Engineering (JSCE)  
Korean Society of Civil Engineering (KSCE)  
International Association for Bridge Maintenance and Safety (IABMAS)  
International Association for Life-Cycle Civil Engineering (IALCCE)  
China Civil Engineering Society (CCES)  
Architectural Society of China (ASC)  
Chinese Society for Vibration Engineering (CSVE)

## Symposium Chairs

Yan-Gang Zhao, Kanagawa University, Japan (Chair)  
Jie Li, Tongji University, China (Co-Chair)

## Technical Committee

Tsuyoshi Takada, University of Tokyo, Japan (Chair)  
Yasuhiro Mori, Nagoya University, Japan (Co-Chair)

## Organizing Committee

K. Shimazaki, Kanagawa University, Japan (Chair)  
J. B. Chen, Tongji University, China (Co-Chair)  
Z. H. Lu, Kanagawa University, Japan (Secretary-general)  
H. Ogawa, Kanagawa University, Japan  
T. Yamamoto, Kanagawa University, Japan  
T. Saito, Kanagawa University, Japan  
Y. G. Zhao, Kanagawa University  
W. Liu, Tongji University, Shanghai, China  
W. C. Pu, Tokyo Institute of Technology, Japan

## Post-symposium Tour

**Yokohama** is located in the centre of Japan, along the coastline of Japan's Pacific Ocean. It is a city of dreams for every Japanese as well as its local citizens who are very proud of living here because it is not only very famous as a tourist mecca, but also has every urban function including, but not limited to, business and culture. <http://www.welcome.city.yokohama.jp/eng/tourism/>



**Hakone** is located in the Fuji Hakone Izu National Park about 80km west of Tokyo and attracts about 19 million tourists a year. Various hot springs (Onsen) in the Hakone Mountain region are called "Hakone 17 Toh", (17 noted hot springs in Hakone). <http://www.hakone.or.jp/english/>



## Secretariat and Contact Information

Dr. Zhao-Hui Lu  
Zhao Lab., Dept. of Architecture, Kanagawa University  
3-27-1 Rokkakubashi, Yokohama 221-8686, Japan  
E-mail: [ISRERM2012@yahoo.co.jp](mailto:ISRERM2012@yahoo.co.jp)  
Tel: +81-45-481-5661 Ex. 3483; Fax: +81-45-481-5360  
Web: <http://www.isrerm2012.com>

[www.isrerm2012.com](http://www.isrerm2012.com)

Bulletin 1