

Call for Papers

Authors are kindly requested to submit 500-word abstracts to the conference Secretariat by March 31, 2008, together with the preliminary registration form. Abstracts should be submitted in electronic form through ICOSAR2009 webpage. Decisions on Abstracts will be notified to Authors by June 30, 2008. Detailed information will be available at the conference webpage.

Registration Fees

(1) Delegate

Before April 30, 2009 JPY 55,000yen (tentative)

After April 30, 2009 JPY 60,000yen (tentative)

(2) Accompanying persons

Before April 30, 2009 JPY 15,000yen (tentative)

After April 30, 2009 JPY 20,000yen (tentative)

(3) Students

Before April 30, 2009 JPY 15,000yen (tentative)

After April 30, 2009 JPY 20,000yen (tentative)

Conference Organization

Conference Chair:

Hitoshi Furuta, Kansai University, Osaka, Japan

International Scientific Committee Chair:

Dan M. Frangopol, Lehigh University, Bethlehem, PA, USA

Organizing Association: International Association for Structural Safety and Reliability (IASSAR)

Sponsors (as of May 2007)

International Association for Bridge Maintenance and Safety (IABMAS)

International Association for Life-Cycle Civil Engineering (IALCCE)

Architectural Institute of Japan (AIJ)

Japan Association for Wind Engineering (JAWE)

Japan Concrete Institute (JCI)

Japan Society of Civil Engineers (JSCE)

Japan Welding Society (JWS)

Japanese Society of Steel Construction (JSSC)

The Japan Society of Naval Architects and Ocean Engineers (JASNAOE)

The Japan Society for Aeronautical and Space Engineers (JSASS)

The Japan Society of Mechanical Engineers (JSME)

The Japanese Geotechnical Society (JGS)

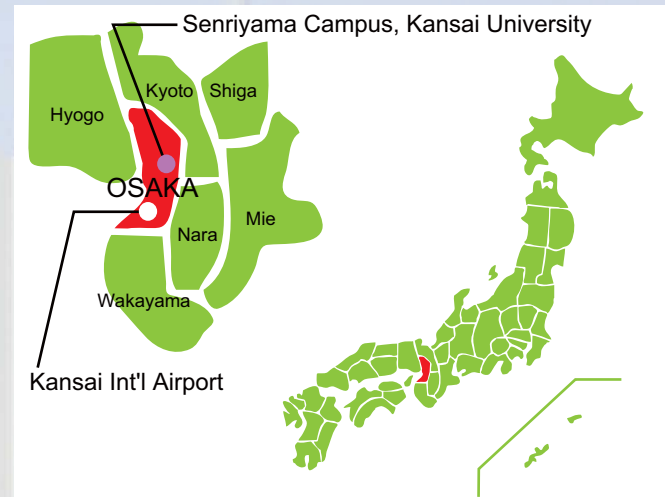
The Society of Materials Science, Japan (JSMS)

Center for Advanced Technology for Large Structural Systems,

Lehigh University, PA, USA (ATLSS)

Kansai University, Osaka, Japan (KU)

Osaka Convention & Tourism Bureau (OCTB)



Important Dates

• Important Dates for corresponding authors

March 31, 2008 Abstract submission

June 30, 2008 Notification of acceptance of submission of full-length manuscript

October 30, 2008 Submission of full-length, camera-ready manuscript and two-page abstract for review

January 15, 2009 Notification of review result

March 31, 2009 Final submission of accepted paper including modifications with two-page summary

• Important Dates for conference registration

April 30, 2009 Early registration and reduced rate for accommodation

Conference Website

<http://www.sc.kutc.kansai-u.ac.jp/icosar2009>

Contact Us

ICOSAR2009 Secretariat:

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ICOSAR2009

The 10th International Conference
on Structural Safety and Reliability

September 13 - 17, 2009

Senriyama Campus, Kansai University, Osaka, Japan



First Announcement and Call for Papers

<http://www.sc.kutc.kansai-u.ac.jp/icosar2009>

Organized by

International Association for Structural Safety and Reliability
(IASSAR)

<http://www.columbia.edu/cu/civileng/iassar>

Welcome Message

In recent years, safety, reliability and risk analysis and management have become emergent and key issues due to the frequent occurrence of natural and man-made disasters such as strong earthquakes, huge hurricanes, tsunamis, terrorist attacks, airplane and nuclear power plant accidents, etc. In the past three decades, ICOSSAR (International Conference on Structural Safety and Reliability) has provided a valuable opportunity to share the knowledge, experience and information on structural safety and reliability among scientists and engineers.

Following the past two ICOSSARs in Japan, Kobe in 1985 and Kyoto in 1997, the ICOSSAR2009 will be held in Osaka. As I mentioned in Rome, there are three big cities in Kansai area, namely, Kobe, Kyoto and Osaka. Osaka is the second biggest city in Japan and the center of commerce and industry. All people who are interested in the safety and reliability issues are cordially invited to ICOSSAR2009, which will be held in the main campus (Senriyama Campus) of Kansai University, September 13 -17, 2009. The Japanese group will warmly welcome all of you and wish you a pleasant stay and enjoy the special culture and atmosphere in Osaka.

May, 2007

Hitoshi Furuta (Conference Chairman)

Official Language

The Official Language of the Conference will be English.



Background and Objective

ICOSSAR2009 aims to bring together scientists, educators, researchers and practitioners for a better understanding and management of safety and reliability of structures and civil engineering systems, with special focus on advanced technologies, analytical and computational methods of risk analysis, probability based design and regulations, smart systems and materials, life cycle cost analysis, damage assessment, social aspects, urban planning, and commercial applications. Held every four years in different countries, ICOSSAR is the premier international forum for the exchange of information and discussion on recent developments, in structural safety/reliability and stochastic mechanics, and innovative applications. ICOSSAR2009 will follow this long tradition. Previous ICOSSARs have been held in Washington, D.C., USA (1969), Munich, Germany (1977), Trondheim, Norway (1981), Kobe, Japan (1985), San Francisco, USA (1989), Innsbruck, Austria (1993), Kyoto, Japan (1997), Newport Beach, USA (2001) and Rome, Italy (2005).

Scope

ICOSSAR2009 will encompass every aspect of safety and reliability of structures and civil engineering systems, with special focus on advanced technologies, analytical and computational methods of risk analysis, probability based design and regulations, smart systems and materials, life cycle cost analysis, damage assessment, social aspects, urban planning, and commercial applications. Emerging concepts as well as state of the art and novel applications of reliability principles in all types of structural systems and mechanical components will be included. Systems for civil, marine, mechanical, transportation, and aerospace applications will be discussed. Specific topics of interest include:

- Advanced Technologies
- Aeronautical and Aerospace Structures
- Basic Theory and Methods
- Bayesian Information Processing
- Bridges and Buildings
- Computational Methods
- Damage Analysis and Assessment
- Design Concepts
- Deterioration Modeling
- Earthquake Engineering

- Economic Analysis
- Fatigue Reliability
- Flood Analysis and Prevention
- Fuzzy Analysis
- Geotechnical Engineering
- Geo-statistics
- Global Warming Effects
- Hazard Analysis
- Human Factors
- Industrial Plant Reliability
- Inspection, Quality Control and Assurance
- Insurance and Management of Risk
- Life Cycle Analysis
- Lifeline Risk Assessment
- Loads and Load Combinations
- Materials
- Monitoring and Maintenance Systems
- Nuclear Structures
- Offshore and Marine Structures
- Passive and Active Structural Control
- Probabilistic Materials Analysis
- Probabilistic Risk Analysis
- Random Vibration
- Reliability-Based Design and Regulations
- Reliability-Based Optimization and Control
- Reliability Theory
- Risk Analysis in Decision Making
- Simulation Methods
- Social Science / Urban Planning
- Smart Structures and Materials
- Statistical Design Analysis
- Stochastic Computational Mechanics
- Stochastic Finite Elements
- Stochastic Fracture Mechanics
- Stochastic Processes and Fields
- Structural Health Monitoring
- Structural Systems
- Sustainability under Global Warming
- System Identification
- System Reliability
- Transportation Systems
- Uncertainty Analysis
- Wind Engineering