Conference objectives

ICOSSAR2013 aims to bring together engineers, scientists, educators, researchers and practitioners to create a better understanding and management of uncertainty, safety, risk and reliability of structures and systems in the following fields:

- civil and structural engineering
- mechanical engineering
- aerospace engineering
- marine/offshore engineering
- industrial engineering
- nuclear engineering
- materials science
- environmental engineering
- architecture
- urban planning
- geosciences; and
- social sciences.

Past Conferences

The International Conference for Structural Safety and Reliability has a long history. The first meeting was organized in 1969 by the late Professor Alfred Freudenthal in Washington, D.C. The second conference took place in Munich in 1977 (ICOSSAR'77) and since then, ICOSSARs have been held regularly every four years. ICOSSAR'81 was in Trondheim, ICOSSAR'85 in Kobe, ICOSSAR'89 in San Francisco, ICOSSAR'93 in Innsbruck, ICOSSAR'97 in Kyoto, ICOSSAR'01 in Newport Beach, ICOSSAR'05 in Rome, and ICOSSAR'09 in Osaka.

Key Dates

July 15, 2012

Deadline to submit abstracts and Deadline to submit proposals for sessions and/or mini-symposia

October 2, 2012

Notification of abstract acceptance / invitation to submit papers

March 1, 2013

Deadline for full length paper submission

June 16-20, 2013

Conference

11th International Conference on Structural Safety & Reliability

June 16-20, 2013

Columbia University
New York, NY

ICOSSAR 2013
11th International Conference on Structural Safety & Reliability

www.icossar2013.org

Hosted by:

Department of Civil Engineering and Engineering Mechanics

Call for papers

Conference topics

Both theoretical developments and practical applications related to the uncertainty, safety, risk and reliability of structures and systems in civil engineering, mechanical engineering, aerospace engineering, marine/offshore engineering, industrial engineering, nuclear engineering, materials science, environmental engineering, architecture, urban planning, geosciences and social sciences will be addressed. Multi-disciplinary approaches are particularly welcome. The list of conference topics includes (but is certainly not limited to):

- Aeronautical and Aerospace Structures
- Applied Probability
- Bayesian Methods
- Biomechanics and Bioengineering
- Bridges, Buildings and Industrial Facilities
- Climate Change
- Computational Methods
- Damage Analysis and Assessment
- Deterioration Modeling
- Earthquake Engineering
- Environmental Risk Assessment
- Fatigue and Fracture
- Flood Analysis and Prevention
- Fuzzy and Interval Analysis
- Geographical Information Systems Based Risk Analysis
- Geotechnical Engineering and Geomechanics
- Geostatistics
- Hazards Analysis
- Human Factors
- Inspection, Quality Control and Assurance
- Insurance, Reinsurance, and Management of Risk
- Life Cycle Performance Analysis and Cost
- Life Extension
- Lifeline Risk Assessment
- Loads and Load Combinations
- Loss Analysis
- Materials
- Monitoring and Maintenance Systems
- Multicriteria Optimization
- Nuclear Structures
- Offshore and Marine Structures
- Optimization under Uncertainty
- Passive and Active Structural Control
- Performance-Based Engineering
- Probabilistic Materials Analysis
- Probabilistic Risk Analysis
- Probability and Statistics (theory and applications)
- Random Vibration (linear and nonlinear)
- Reliability-Based Design and Regulations
- Reliability-Based Optimization and Control
- Reliability Theory
- Resilience of Structures, Networks and Communities
- Risk Analysis and Risk-Informed Decision Making
- Risk Perception and Communication
- Simulation Methods
- Social Science / Urban Planning
- Statistical Design Analysis
- Stochastic Computational Mechanics
- Stochastic Finite Elements
- Stochastic Fracture Mechanics
- Stochastic Processes and Fields (theory and applications)
- Structural Health Monitoring
- Structural Systems
- Sustainability under Global Warming
- System Identification
- System Reliability
- Transportation Systems
- Uncertainty Quantification and Analysis
- Wind Engineering

Submit an Abstract

For online submission, kindly visit the official conference website:

http://icossar2013.org/submit-abstract/

Organize a Session or Mini-Symposium

For online submission, kindly visit the official conference website:

http://icossar2013.org/sessions-mini-symposia/

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