

## REPORT

# ON THE INTERNATIONAL CONFERENCE ICOSSAR 2013 THAT TOOK PLACE IN NEW YORK FROM JUNE 16TH TO 20TH, 2013



The International Conference ICOSSAR was established to discuss scientific issues related to risk assessment, structural safety and reliability. The Conference joins prominent engineers, scientists, academicians, researchers and experts from various industries and engineering fields to share experience and to elaborate new ideas and approaches. The Conference occurs every four years since 1969. The Conference is held at leading universities of the member countries of IASSAR (International Association for Structural Safety and Reliability):

USA (Washington – 1969, San Francisco – 1989, Newport Beach – 2001, New York – 2013);

Germany (Munich – 1977);

Norway (Trondheim – 1981);

Japan (Kobe – 1985, Kyoto – 1997, Osaka – 2009);

Austria (Innsbruck – 1993);

Italy (Rome – 2005).

ICOSSAR 2013 in New York was held on the campus of Columbia University, one of the biggest and renowned universities in the world. The Conference discussed the issues of structural safety and reliability in relation to seismology, water-borne transportation, aircraft and space industries, pipeline transportation, methods and applications in risks assessment and analysis, applied probability

theory issues, Bayesian estimation methods, issues related to construction of safe and reliable artificial structures, including bridges, life cycle cost issues, climatic influences on infrastructure, environmental aspects of engineering and construction activities etc.

The Conference had 14 sections. Six plenary and 645 section reports were presented. The Conference sessions were held daily from 8:00 to 18:00. The Conference gathered together leading scientists from USA, Canada, China, Japan, South Korea, India, Mexico, Norway, Denmark, Netherlands, Switzerland, Germany, Austria, Italy, Portugal, Czech Republic, Greece, Egypt, Chile, Singapore, Australia, Pakistan. There were 3 representatives of the Russian Federation. It is worth to note that the number of representatives from Southeast Asia was overwhelming. It is of interest that a number of Chinese, Indian and Japanese professors presented their scientific schools at the Conference through a sufficiently high amount of reports delivered by their master and postgraduate students.

A huge interest was evoked by reports on risk assessment and Bayesian estimation methods.

Two leading European publishers of scientific literature, CRC Press and Springer, organized an exhibition at the Conference to present the most important works published recently in English and related to risk analysis and assessment, reliability management and human factor influences on complex engineering systems.

Working contacts were made with the organizers of the Conference professors George Deodatis, Bruce Ellingwood, Den Frangopol, as well as with professors Sang Hao Kim, Saleha Nadgmi Habibullah and others.

At the Conference we presented the recent issues of the Dependability journal which roused some practical interest and intentions to cooperate in the organizers of the Conference and the scientific community.

*Dependability's editor-in-chief, doctor of technical sciences, professor I.B. Shubinsky*