

# Second International Conference on Vulnerability and Risk Analysis and Management (ICVRAM2014) & Sixth International Symposium on Uncertainty Modelling and Analysis (ISUMA2014)

13th - 16th July 2014, University of Liverpool, UK

## WELCOME TO ASCE-ICVRAM-ISUMA 2014

ASCE-ICVRAM-ISUMA provides a multi-disciplinary forum for the exchange of knowledge and expertise, in the quantification, mitigation and management of risk and uncertainty, and in decision making. The event is aimed at specialised and synergetic developments in both theory and practice.

Hazards, risks and respective mitigation strategies are of rapidly growing interest in infrastructure systems and the built environment. This includes natural and man-made hazards, economical and banking risks, security risks, critical incidents, insurance risks, environmental risks, nuclear risks, structural vulnerability and reliability, infrastructure security, structural and infrastructure robustness, software reliability, energy risks, supply chain vulnerability, policy development and many more. Major challenges in the development of solutions are concerned with the high complexity and the multi-disciplinary character of the problems as well as with the comprehensive quantification, efficient processing and management of the involved uncertainties. Proposed approaches are being developed using probabilistic (including Bayesian) concepts, fuzzy and interval concepts, imprecise probabilities etc.

The objective of this conference is to bring experts and decision makers from different disciplines but working on similar problems together to share information on current and emerging developments and to initiate advancements towards a solution to our challenges through cross-fertilization. This conference and subsequent publications will help transition intellectual discussions into robust frameworks for handling emerging vulnerabilities and risks, and provide the leadership and initiative required to respond to national and international disasters.

## GUIDELINES FOR ORGANISING MINI-SYMPOSIA

Participants of ICVRAM2014 and ISUMA2014 are encouraged to submit proposals for mini-symposia on or before the deadline of January 31, 2013. Organisers are expected to submit the abstracts of all the papers in their mini-symposium by April 30, 2013.

Detailed instructions for organising mini-symposia are available from: <http://www.icvram2014.org/mini-symposia.php>



### ICVRAM2014 Conference timeline:

**April 30, 2013:**  
Abstract submission deadline

**June 30, 2013:**  
Notification of acceptance

**October 31, 2013:**  
Full paper submission deadline

**January 15, 2014:**  
Notification of acceptance

**July 13 - 16, 2014:**  
Conference

The proceedings will appear as an ASCE publication.

### ICVRAM2014 Secretary

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In collaboration with:



Environmental Change Institute



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This joint conference is being organised by the [Institute for Risk & Uncertainty](#) (an interdisciplinary centre, with eight disciplines) and in collaboration with the [ASCE Council on Disaster Risk Management](#), the [Environmental Change Institute](#) (University of Oxford) and the [Virtual Engineering Centre](#).

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- Michael Beer, Institute for Risk & Uncertainty, University of Liverpool, UK

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