

Journal Submission

Delegates attending Risk Analysis 2012 will be invited to submit an extended version of their paper for possible publication in the International Journal of Safety and Security Engineering, one of the six edited by the Wessex Institute.

Open Access

WIT strongly believes that removing the barrier to research published online will greatly aid progress in all scientific and technical disciplines, as well as all other spheres of knowledge. Many WIT conference and all journal papers are freely available online.

Submission Information

Papers are invited on the topics outlined and others falling within the scope of the meeting. Abstracts of no more than 300 words should be submitted as soon as possible.

Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper, which if accepted for publication must be presented at the conference.

The language of the conference will be English.

Online submission
wessex.ac.uk/risk2012

Email submission
cshiell@wessex.ac.uk

Submit your abstract with Risk Analysis 2012 in the subject line. Please include your name, full address and conference topic.

Conference Coordinator

Claire Shiell
cshiell@wessex.ac.uk

Wessex Institute of Technology
Ashurst Lodge, Ashurst
Southampton, SO40 7AA, UK

Tel: +44 (0) 238 029 3223
Fax: +44 (0) 238 029 2853

For more information visit:
wessex.ac.uk/risk2012



RISK ANALYSIS 2012

8th International Conference
on Simulation in Risk Analysis
and Hazard Mitigation

19–21 September, 2012
Island of Brač, Croatia



WESSEX INSTITUTE
OF TECHNOLOGY

Advancing International Knowledge Transfer

Organised by:

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WIT Transactions on Ecology and
the Environment

International Journal of Safety and
Security Engineering

Location

Located on the idyllic island of Brač, the historic coastal town of Bol can be found at the foot of mount Vitus, surrounded by excellent beaches and a rural Mediterranean landscape. The island is renowned for its ancient monasteries, churches and castles, and has become a popular destination for water sports enthusiasts with some of the best surfing and diving in Europe. Around Bol's attractive harbour can be found numerous cafes and restaurants while only a short distance away is the iconic Zlatni Rat, an unusual cape with an acclaimed beach extending into the sea. Best explored on foot or bicycle, Bol is surrounded by unspoilt countryside and charming small towns.

Conference Venue

The Bluesun Hotel Elaphusa is situated close to both the centre of Bol and Zlatni Rat beach, with Mediterranean gardens stretching down to the unspoilt waterfront. Recently renovated, the hotel offers a wide range of facilities including a luxury spa, attractive swimming pool and ensuite rooms with satellite television and internet access.



Risk Analysis 2012 is the eighth international conference on computer simulation in risk analysis and hazard mitigation. Covering a series of important topics of current research interest and with many practical applications, the conference is concerned with all aspects of risk analysis and hazard mitigation, associated with both natural and anthropogenic hazards.

The analysis and management of risk and the mitigation of hazards is of fundamental importance to planners and researchers around the world. We live in an increasingly complex society with the potential for disasters on a worldwide scale. Scientific knowledge is essential to our better understanding of risk. Natural hazards such as floods, earthquakes, landslides, fires and others have always affected human societies. Man-made hazards, however, played a comparatively small role until the industrial revolution when the risk of catastrophic events started to increase due to the rapid growth of new technologies. The interaction of natural and anthropogenic risks adds to the complexity of the problem.

Advances in computational methods and the ability to model systems more precisely now enables hazards to be quantified, their effects to be simulated and risk analysis to be pursued with greater accuracy, providing more effective risk management. These developments are important for all areas of human endeavour and have particular relevance to environmental issues where the risks involved are substantial. Effective risk management and the mitigation of possible hazards have become a high priority of government and a public concern.

Risk Analysis 2012 follows on from the other successful meetings in this series, which first started in Valencia, Spain (1998) and continued in Bologna, Italy (2000); Sintra, Portugal (2002); Rhodes, Greece (2004); Malta (2006); Cephalonia, Greece (2008); and more recently in the Algarve, Portugal (2010).

Benefits of Attending

Conference Books Papers are published in paper and digital format and widely distributed throughout the world. Delegates will receive a copy of the book in paper or digital format at the time of registration. Papers are also archived at <http://library.witpress.com>

Open Access Authors have the option to make their work available in Open Access format for wider dissemination.

Journal Papers Presenters will be invited to submit a paper to one of the six International Scientific Journals edited by the Wessex Institute.

Networking Participants can present their research and interact with experts from around the world, becoming part of a unique community.

Conference Chairmen

C A Brebbia
Wessex Institute of Technology, UK

V Popov
Wessex Institute of Technology, UK

International Scientific Advisory Committee

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University of Reggio Calabria, Italy

Conference Topics

Risk assessment

Risk management

Hazard prevention, management
and control

Early warning systems

Natural hazards and climate change

Evacuation, simulation and design

Vulnerability assessment

Risk mapping

Health risk

Estimation of risk

Security and public safety

Transportation safety

Financial risk assessment

Political instability and
economic vulnerability

Indexing and archiving of conference papers

Papers presented at Wessex Institute conferences are referenced by CrossRef and regularly appear in notable reviews, publications and databases, including referencing and abstract services such as SCOPUS, Compendex, ISI Web of Knowledge, Index to Scientific and Technical Proceedings, ProQuest and Scitech Book News. All conference books are archived in the British Library and American Library of Congress.

- Papers presented at Risk Analysis 2012 will appear in a volume of **WIT Transactions on Ecology and the Environment** (ISSN: 1746 448X, Digital ISSN 1743-3541).
- WIT Press ensures maximum dissemination of your research throughout the world through its own offices in Europe, the USA and its extensive international distribution network.
- All conference papers are archived online at <http://library.witpress.com> where they are immediately and permanently available to the international scientific community.