

CALL FOR PAPERS

**Second International
Conference on
Modelling,
Monitoring and
Management of
Forest Fires**

**23 - 25 June 2010
Kos, Greece**

Forest Fires 2010



ORGANISED BY
Wessex Institute of Technology, UK
Politecnico di Torino, Italy

SPONSORED BY
WIT Transactions on
Ecology and the Environment



WESSEX INSTITUTE OF TECHNOLOGY
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INTRODUCTION

Following the success of the first International Conference on Modelling, Monitoring and Management of Forest Fires held in Toledo in 2008, it has been decided to reconvene the meeting in Kos in 2010.

Forest Fires are very complex phenomena which, under the right physical conditions, can rapidly devastate large areas, as demonstrated by recent events. There is also widespread awareness that the risk may increase as a result of climate change.

Different approaches are required for controlling fires in rural areas as opposed to urban environments, and this strongly depends on the physical characteristics of the surrounding region. It also depends on weather conditions, regional activities, forest type, as well as social and economic factors.

At present there is insufficient knowledge of the behaviour of fires and how they propagate. This lack of appropriate studies makes these phenomena very difficult to control and is one of the most important obstacles to the development of a reliable decision support system. Public concern in this topic is increasing as uncontrolled fires may lead to major ecological disasters, and usually result in negative economic and health implications for the affected region.

Forest fires analysis and mitigation requires the development of computer codes that can take into consideration a large number of different parameters. This conference will discuss the latest research and applications of available computational tools to analyse and predict the spread of forest fires in an attempt to prevent or reduce major loss of life and property as well as damage to the environment.

This conference aims to address all aspects of forest fires, from fire propagation in different scenarios to the optimum strategies for fire-fighting. It will also cover issues related to economic, ecological, social and health effects.

CONFERENCE TOPICS

- Risk and vulnerability assessment
- Computational methods and experiments
- Environmental impact models
- Air pollution and health risk models
- Eco remediation models
- Decision support systems
- Monitoring systems
- Emergency response systems
- Economic impact
- Human behaviour and education
- Rural-Urban Interface
- Case Studies

CONFERENCE CHAIRMEN

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M Sofiev
Finnish Meteorological Institute, Finland

D Stipanicev
University of Split, Croatia

Journal Submission

Delegates attending Forest Fires 2010 will be invited to submit an expanded version of their paper for publication in the **International Journal of Design & Nature and Ecodynamics**, associated with the Wessex Institute of Technology.

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**. We strongly encourage the submission of abstracts online.

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. To be fair to all participants, each registered delegate will only be able to submit one paper.

The language of the conference will be English.

CONFERENCE SECRETARIAT

Claire Shiell
Conference Secretariat
Forest Fires 2010

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Email Submission

Email: cshiell@wessex.ac.uk

Please submit your abstract with Forest Fires 2010 in the subject line. Include your name, full address and conference topic.

Web Submission

www.wessex.ac.uk/fires2010

Fax Submission

Fax: 44 (0) 238 029 2853

Fax one copy of your abstract with the completed Enquiry Form overleaf.

Mail Submission

Mail: Please mail a copy of your abstract with the completed Enquiry Form to the Conference Secretariat on the left.

OPEN ACCESS

WIT Press is committed to Open Access. We strongly believe that removing barriers to research published online will greatly aid progress in many scientific and technical disciplines.

INDEXING AND ARCHIVING OF 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 – Scopus, Compendex, ISI Web of Knowledge, Index to Scientific & Technical Proceedings, ProQuest and Scitech Book News. All conference books are archived in the British Library and American Library of Congress.

In addition the Conference papers will be:

- Published by WIT Press in a volume of WIT Transactions on Ecology and the Environment (ISSN:1743-3541).
- Available to conference delegates at the time of registration as a hardcover volume.
- Promoted directly to researchers and institutional libraries.
- Distributed widely through the international book trade.
- Archived online in the Transactions of the Wessex Institute Collection, which provides the international scientific community with immediate and permanent access to individual papers.

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LOCATION

The third largest island in the Dodecanese archipelago, Kos is east of mainland Greece with views towards the Turkish coast. Pretty traditional vilages, numerous beaches and lively coastal towns nestle in the island's green landscape where visitors are never far from the 120km coastline. The Asklepieion, close to Kos town, is the well-preserved remains of a third century BC hospital and medical school and a popular attraction for visitors. As the birthplace of Hippocrates, the island is considered the home of medicine and has a wealth of excellent archaeological remains from this period of antiquity.



DISPLAY FACILITIES

There will be space for organisations to display products, services and literature related to the theme of the conference. Further details are available from the Conference Secretariat.

CONFERENCE VENUE

Located only three kilometres from Kos town, the Kipriotis Panorama Hotel offers a range of spacious bedrooms, landscaped gardens, generous leisure facilities, a private beach, restaurants and bars. The hotel is within easy reach of the island's airport as well as restaurants, museums and entertainment in the island's capital.

BENEFITS OF ATTENDING

- Conference papers are peer-reviewed by members of the International Scientific Advisory Committee and other colleagues. Papers are rapidly processed for publication in **hard-cover book form** and distributed to delegates at registration.
- Papers are also published in **electronic format**, and made available to the international scientific community through the Wessex Institute eLibrary <http://library.witpress.com>
- Conference participants will be invited to submit an extended version of their paper to the **International Journal of Design & Nature and Ecodynamics** associated with WIT.
- Papers presented at Wessex Institute Conferences appear regularly in notable reviews, publications and databases.
- The opportunity to present your research within a unique forum and collaborate with experts from around the world.



ENQUIRY FORM Forest Fires 2010 23 - 25 June 2010, Kos, Greece



Title (Prof/Dr/Mr/Mrs/Ms)

Initials Surname

Organisation

Address

.....

.....

Postcode/Zip

Country

Telephone

Fax

Email

Please indicate your intention below:

I intend to submit a paper and present it.

Proposed Title

Topic

I intend to participate in the conference, but will not be submitting a paper.

I am interested in renting display space

By completing this form, we understand that you are agreeable to receiving further information on this event and other activities which we believe will interest you. We will not disclose this information to third parties. Wherever possible information about this conference