

CALL FOR PAPERS

Third International Conference on Debris Flow
including all aspects of Debris Flow Monitoring, Modelling, Hazard Assessment, Mitigation Measures, Extreme Events, Erosion, Slope Instability and Sediment Transport

DEBRIS FLOW 2010

24 - 26 May 2010
Milano, Italy

ORGANISED BY:

University of Milano, Italy
Wessex Institute of Technology, UK

SPONSORED BY:

WIT Transactions on Engineering Sciences
EurAgEng: European Society of
Agricultural Engineers
CIGR: International Commission of
Agricultural Engineering

SUPPORTED BY:

The Lombardy Region, Italy



WESSEX INSTITUTE OF TECHNOLOGY
Advancing International Knowledge Transfer
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INTRODUCTION

Debris and hyper-concentrated flows are among the most frequent and destructive of all water related processes. They mainly affect mountain areas in a wide range of morphoclimatic environments and in recent years have attracted more and more attention from the scientific and professional communities, and concern from the public, due to the increasing frequency with which they occur and the death toll they claim.

Higher population pressures on natural resources and increased activity in hazard-prone areas have the potential to increase the magnitude of hazards. This calls for improvements in the criteria used to identify debris flow risk areas and to design suitable prevention and mitigation measures.

The conference will provide a forum for engineers, scientists and managers from laboratories, industries, governments and academia to interchange knowledge and expertise in the following fields; erosion and slope instability, sediment transport, debris flow and debris flood data acquisition, debris flow phenomenology and laboratory tests. It will also allow the discussion of the most advanced, state-of-the-art methodologies in monitoring, modelling, mechanics, hazard prediction and risk assessment.

This conference follows the success of the first meeting held in Rhodes, Greece (2006) and New Forest, UK (2008).

WHO SHOULD ATTEND

Scientists, technologists and engineers involved in the field of dense flows.

CONFERENCE TOPICS

- Debris flow modelling
- Debris flow phenomenology
- Debris flow triggering
- Debris flow disaster mitigation
- Debris flow rheology and laboratory tests
- Landslide phenomena
- Debris and hyper-concentrated flows
- Structures and their effects on debris flow
- Active and passive disaster management
- Risk assessment
- Other mapping and vulnerability
- Cut and shape failure
- Sediment sources
- Structure and non-structural measure
- Field tests

CONFERENCE CHAIRMEN

D De Wrachien, *University of Milano, Italy*

C A Brebbia, *Wessex Institute of Technology, UK*

INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

Committee Chairman

S Mambretti, *Politecnico di Milano, Italy*

R Garcia-Martinez

Florida International University, USA

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J Hubl

University fur Bodenkultur-Wien, Austria

M A Lenzi

University of Padova, Italy

G Lorenzini

University of Bologna, Italy

T Moriyama

Sojo University, Japan

H Oldrich

University of British Columbia, Canada

F Wei

Chinese Academy of Sciences, China

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.

Journal Submission

Delegates attending Debris Flow 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
Debris Flow 2010

WESSEX INSTITUTE OF TECHNOLOGY

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Email Submission

Email: cshiell@wessex.ac.uk

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

Web Submission

www.wessex.ac.uk/debris2010

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 Engineering Sciences (ISSN:1743-3533).
- 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.

WIT Press is committed to offering authors the option to make their work freely accessible to colleagues through their Open Access service.

View the Transactions of the Wessex Institute Collection at:
<http://library.witpress.com>



For more information visit: www.wessex.ac.uk/debris2010

Advancing International Knowledge Transfer

LOCATION

The centre of the Italian fashion and motor industries, Milano is the second city of Italy and rich in culture, history and architectural heritage. Amongst the elegant haute-couture shopping streets and Renaissance piazzas can be found the museums and galleries which the city is famous for: the impressive gothic Duomo cathedral, Santa Maria delle Grazie - the home of masterpieces by Da Vinci, La Scala opera house and the impressive Castello Sforzesco.



Photos courtesy of Fototechnica ENIT

CONFERENCE VENUE

The conference will be held in the Pirelli Tower, one of Milano's most iconic buildings and Italy's first skyscraper. Completed in 1958 and designed by renowned architects Gio Ponti and Pier Luigi Nervi, the building used an innovative construction technique to produce a 32 storey building with a unique shape. Located minutes from the Stazione Centrale railway station, the Pirelli building is situated at the centre of the city's business district and close to transport links.

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.

Please pass these details on to other interested colleagues

WESSEX INSTITUTE OF TECHNOLOGY



The Wessex Institute of Technology (WIT) is an International Centre for Knowledge Transfer that fosters a number of key programmes within the research community.

The excellent reputation of the WIT Conference Programme held in different parts of the world continues to grow. This is just one of the initiatives offered by the Institute. Other activities include:

- Graduate Programmes at Master and PhD level.
- Advanced research.
- Publications, including books and journals.
- E-Publishing comprising the Transactions and other journals of Wessex Institute.
- Services to industry.

FOR FURTHER INFORMATION VISIT
www.wessex.ac.uk

ENQUIRY FORM

Debris Flow 2010

24 - 26 May 2010, Milano, Italy



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

Initials Surname

Organisation

Address

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Postcode/Zip

Country

Telephone

Fax

Email

Please indicate your intention below:

- I intend to submit a paper and present it.
- Proposed Title
-
- Topics
- 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 will be sent to you by email.