



CALL FOR PAPERS

**Eighth International Conference on
Modelling in Medicine and Biology**

**BIOMED
2009**



**26 - 28 May 2009
Royal Mare Village,
Crete**

ORGANISED BY:
Wessex Institute of Technology, UK

SPONSORED BY:
WIT Transactions on Biomedicine and Health



WESSEX INSTITUTE OF TECHNOLOGY
Advancing International Knowledge Transfer
www.wessex.ac.uk



INTRODUCTION

The eighth international conference on Modelling in Medicine and Biology is a well established and recognised forum for dissemination of the latest research and applications in this important field.

Projections for advances in medical and biological technology will transform medical care and treatment. This in great part is due to the result of the interaction and collaboration between medical sciences and engineering. These advances will result in substantial progress in health care and in the quality of life of the population.

Computer models in particular have been increasingly successful in simulating biological phenomena. These are lending support to many applications, including cardiovascular systems, the study of orthopaedics and biomechanics, and electrical simulation, amongst others.

Another important contribution, due to the wide availability of computational facilities and the development of better numerical algorithms is the ability to acquire, analyse, manage and visualise massive amounts of data.

The conference topics cover a broad spectrum including the application of computers to simulate biomedical problems, the design of artificial organs, new therapies, virtual reality in medicine and many others.

The conference which started in Southampton in 1991 has been held in different locations. The 2005 meeting took place in Bologna, Italy, and the latest meeting was in the New Forest, UK, in 2007.

WHO SHOULD ATTEND

The meeting aims to bring together medical and physical scientists and engineers who are interested in the latest developments on simulations in medicine. It will also be relevant to professionals working in medical enterprises who are actively involved in this field.

CONFERENCE CHAIRMAN

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

INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

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Please pass these details on to
other interested colleagues

INDEXING AND ARCHIVING OF PAPERS

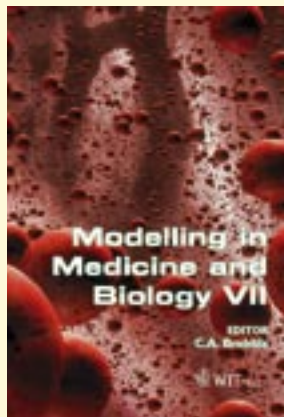
Papers presented at Wessex Institute Conferences are referenced by Crossref and regularly appear in notable reviews, publications and databases, including, Elsevier's referencing and abstract services – Scopus and Compendex; Cambridge Scientific Abstracts; Thomson – Index to Scientific & Technical Proceedings; and Scitech Book News. Papers continue to be added to new databases regularly.

In addition the Conference papers will be:

- Published by WIT Press in a volume of WIT Transactions in Biomedicine and Health (ISSN: 1743-3525).
- Available to conference delegates at the time of registration as a hardcover volume.
- Publicised 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:
library.witpress.com





ENQUIRY FORM

BIOMED 2009

26 - 28 May 2009, Royal Mare Village, Crete



CALL FOR PAPERS

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 electronically.

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 TOPICS

- Cardiovascular System
- Simulations in Surgery
- Biomechanics
- Advanced Technology in Dentistry
- Simulation of Physiological Processes
- Neural Systems
- Computational Fluid Dynamics in Biomedicine
- Orthopaedics and Bone Mechanics
- Data Acquisition and Analysis
- Virtual Reality in Medicine
- Expert Systems in Medicine
- Design and Simulation of Artificial Organs

Please indicate your intention below:

- I intend to submit a paper and present it.
- I intend to participate in the conference, but will not be submitting a paper.
- I am interested in renting display space.

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.

ABSTRACT SUBMISSION

Email Submission

Email: rswinburn@wessex.ac.uk

Please submit your abstract with BIOMED 2009 in the subject line. Include your name, full address and conference topics.

Web Submission

www.wessex.ac.uk/conferences/2009/biomed09

Fax Submission

Fax: 44 (0) 238 029 2853

Fax one copy of your abstract with this completed Enquiry Form.

Mail Submission

Mail: Rachel Swinburn, Conference Manager, BIOMED 2009, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, SO40 7AA, UK. Please mail a copy of your abstract with this completed Enquiry Form.

Telephone: 44 (0) 238 029 3223

Wherever possible information about this conference will be sent to you by email.

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

Initials Surname

Organisation

Address

.....

.....

Postcode/Zip

Country

Telephone

Fax.....

E-Mail.....

I suggest this announcement should also be sent to:

Title: Initials Surname

E-Mail.....

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.

BENEFITS OF ATTENDING

- Keep up-to-date on the latest advances in the field.
- Present your research within a unique forum.
- Collaborate with experts from around the world.
- Your conference paper will be reviewed by members of the Committee and other colleagues and will be rapidly processed for prompt publication in book form.
- In addition, all papers in the conference book will be permanently archived in the Transactions of the Wessex Institute on our eLibrary site, where they will be available to the international scientific community.
- Papers presented at Wessex Institute Conferences appear regularly in notable reviews, publications and databases.

LOCATION



The largest and most southerly Greek island, Crete has preserved its unspoilt nature, local traditions and ancient monuments. The Minoan culture, Europe's first advanced civilisation, developed there between 2800 and 1000 BC.

From this fertile land of mythology and olive groves sprang political, philosophical and artistic ideas that shaped the whole course of western civilisation. Greece today offers the traveller the comforts of modern Europe in close proximity to the stark beauty of the ancient world.

CONFERENCE VENUE

The Royal Mare Village is situated on a beautiful sandy beach, which together with its luxuriously furnished rooms, offers an array of attractions including sports facilities and entertainment.

Further details regarding local attractions, accommodation booking and travel directions will be available closer to the time of the conference.

ABSTRACT/PAPER SUBMISSION

Abstract (300 words):

Submit to the Conference Secretariat as indicated on the Enquiry Form.

Electronic Paper Submission:

Date to be advised after submission of abstracts.

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

CONFERENCE SECRETARIAT

Rachel Swinburn
Conference Manager
BIOMED 2009

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Look for further information on this conference and other activities organised by Wessex Institute of Technology at
www.wessex.ac.uk