



Location

BEM/MRM 37 will be held in the New Forest, UK, home of the Wessex Institute of Technology. The New Forest is situated in central southern England, 120km from London. Spreading over nearly 400 square kilometres, this National Park is home to picturesque villages, unspoiled scenery, abundant wildlife and many attractions for visitors. The New Forest was established as a royal hunting ground by the Norman King William I, and 900 years later, the New Forest is still owned by the Crown and local commoners have the right to graze their ponies, cattle and pigs on forest land where they wander freely. The Forest is unarguably recognised as one of the most unique wilderness areas in Western Europe, where many landscapes have remained virtually unchanged for many centuries.

Conference Venue

Situated at the heart of the New Forest National Park, the Balmer Lawn Hotel has 54 uniquely designed and decorated rooms. This 4 star hotel has its own restaurant, 3 acres of grounds, squash courts, tennis court, pools, sauna, spa and fitness suite as well as direct access to the New Forest. Only a short walk from the shops, pubs and restaurants of Brockenhurst village and Brockenhurst train station, the hotel is easily accessible.



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/bem37

Email submission

imoreno@wessex.ac.uk

Submit your abstract with conference BEM/MRM 37 in the subject line.

Please include your name, full address and conference topic.

Conference Secretariat

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Call For Papers

BEM/MRM 37

37th International Conference on
Boundary Elements and other Mesh
Reduction Methods

8 - 10 SEPTEMBER 2014
NEW FOREST, UK



WESSEX INSTITUTE
OF TECHNOLOGY

Advancing International Knowledge Transfer

Organised by
Wessex Institute, UK

University of Mississippi, USA

Sponsored by

WIT Transactions on Modelling and
Simulation

International Journal of Engineering
Analysis with Boundary Elements (EABE)

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The Conference on Boundary Elements and Mesh Reduction Methods is the recognised international forum for presentation and discussion of the latest advances in these methods and their applications in science and engineering.

Since 1978 the conference has produced a series of volumes in which all major developments in the field have been presented. This valuable collection is available in digital form from 1993 in the Wessex Institute eLibrary (<http://library.witpress.com>) where it can be easily accessed by the international scientific community.

The continuous success of the conference since the first meeting took place in 1978 indicates the strength of the research carried out by different groups around the world. The history of the Conference traces the evolution of advanced methods since the

first successful development of boundary integral techniques into BEM took place to the recent Mesh Reduction Methods. The objective of the meetings is the further development of technologies that reduce or eliminate the type of meshes required by first generation computational methods such as finite differences and finite elements. The aim is being achieved first through the emergence of BEM as a method that eliminates the need for an internal mesh and more recently through the development of a series of advanced techniques for further mesh reduction, culminating in the emergence of meshless methods.

Benefits of Attending

Conference Proceedings Papers presented at BEM/MRM 37 will be published by WIT Press in Volume 57 of WIT Transactions on Modelling and Simulation (ISSN: 1746-4064 Digital ISSN: 1743-355X) WIT Press ensures maximum worldwide dissemination of your research through its own offices in Europe, the USA and its extensive international distribution network.

Delegates will have the choice of receiving the conference book in either hard cover or in digital format on a USB flash drive. The USB flash drive will additionally contain papers from previous conferences in this series.

Indexing and Archiving 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, Thomson Reuters Web of Knowledge, ProQuest and Scitech Book News. All conference books are archived in the British Library and American Library of Congress.

Citations When referencing papers presented at this conference please ensure that your citations refer to Volume 57 of WIT Transactions on Modelling and Simulation as this is the title under which papers appear in the indexing services.

Digital Archive All conference papers are archived online in the WIT eLibrary (<http://library.witpress.com>) where they are immediately and permanently available to the international scientific community.

Open Access Open Access allows for the full paper to be downloaded from the WIT eLibrary archives, offering maximum dissemination. Authors who choose this option will also receive complimentary access for one year to the entire WIT eLibrary.

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

Reduced Fee for PhD Students The Wessex Institute believes in the importance of encouraging PhD students to present and publish innovative research at their conferences. As a result, the Institute offers PhD students a much reduced conference fee.

Journal Papers Participants of BEM/MRM 37 will be invited after the conference to submit an enhanced version of their research for possible publication in one of the International Scientific Journals edited by the Wessex Institute.

Conference Topics

Advanced meshless and mesh reduction methods

Advanced formulations

Computational methods

Stochastic modelling

Emerging applications

Solid mechanics applications

Dynamics and vibrations

Damage mechanics and fracture

Material characterisation

Fluid flow modelling

Electrical engineering and electromagnetics

Heat and mass transfer

Conference Chairmen

A H D Cheng
University of Mississippi, USA

C A Brebbia
Wessex Institute, UK

International Scientific Advisory Committee

J T Chen
National Taiwan Ocean University, Taiwan

W Chen
Hohai University, China

P Dineva
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University of Cyprus, Cyprus

A J Kassab
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National Technical University of Athens, Greece

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University of Campinas, Brazil

J B Paiva
University of Sao Paulo, Brazil

D Poljak
University of Split, Croatia

H Power
University of Nottingham, UK

Q Qin
Australian National University, Australia

J Ravnik
University of Maribor, Slovenia

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