

# BEM/MRM 40



## Location

BEM/MRM 40 will be held in the New Forest National Park, which borders the south coast of England and is home to the Wessex Institute. The New Forest is situated in central southern England, 100km 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. 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 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

**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:

[www.witconferences.com/bim2017](http://www.witconferences.com/bim2017)

### Conference Secretariat

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For more information visit: [www.witconferences.com/bem40](http://www.witconferences.com/bem40)

## 40th International Conference on Boundary Elements and other Mesh

## Reduction Methods

# 12 – 14 September 2017

## New Forest, UK

### Organised by

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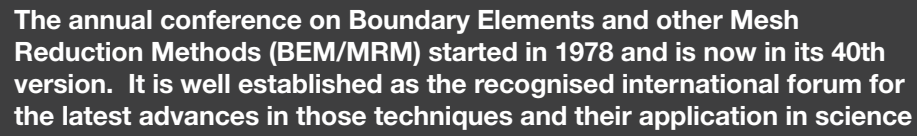
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The annual conference on Boundary Elements and other Mesh Reduction Methods (BEM/MRM) started in 1978 and is now in its 40th version. It is well established as the recognised international forum for the latest advances in those techniques and their application in science and engineering.

The objective of the research papers presented at the meetings is the further development of techniques that reduce or eliminate the type of meshes required by first generation computational methods, such as finite differences or finite elements.

This has steadily been achieved through the development of BEM as a computational tool and continues through more recent research into advanced techniques. The meeting also encourages the presentation of papers on the use of BEM and, in particular, the description of new applications. Problems related to interface

with other techniques, processes such as finite elements, the solution of large systems of equations and the direct coupling of BEM to design and manufacturing are also welcome.

All the meetings since 1978 have produced a series of edited volumes in which the major developments in the field have been presented. This valuable collection has been in digital form since 1993 with the papers available Open Access in the Wessex Institute's eLibrary website (<http://www.witpress.com/elibrary>) where they can be easily accessed and downloaded.

## Benefits of Attending

**Publication of Papers:** Papers are to be published by WIT press in a Volume of WIT Transactions. Selected papers will appear in the International Journal of Computational Methods and Experimental Measurements (ISSN: 2046-0546 Digital ISSN: 2046-0554). Abstracts and papers will be reviewed by members of the Committee and other experts.

**Open Access:** WIT Press is an advocate of Open Access which offers maximum dissemination of your work. WIT Transactions and Journal papers can be downloaded for free ([www.witpress.com/elibrary](http://www.witpress.com/elibrary)).

**Indexing and Archiving:** Papers presented at Wessex Institute conferences are referenced by CrossRef and have appeared in notable reviews and databases. Papers are submitted to various indexing services such as Thomson Reuters Web of Science, Google Scholar, Scopus and ProQuest. All conference books are listed in the British Library and American Library of Congress.

**Digital Archive:** All conference papers are archived online in the WIT eLibrary ([www.witpress.com/elibrary](http://www.witpress.com/elibrary)) where they are permanently available to the international community.

## Conference Topics

The following list covers some of the topics to be presented at BEM/MRM 40. Papers on other subjects related to the objectives of the conference are also welcome.

**Advanced formulations**

**Advanced meshless and mesh reduction methods**

**Structural mechanics applications**

**Solid mechanics**

**Heat and mass transfer**

**Electrical engineering and electromagnetics**

**Computational methods**

**Fluid flow modelling**

**Damage mechanics and fracture**

**Dynamics and vibrations**

**Engineering applications**

**Interfacing with other methods**

**Coupling with design and manufacturing**

**Solution of large systems of equations**

## Conference Chairmen

**C A Brebbia**  
Wessex Institute, UK

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