Boundary Elements and other Mesh Reduction Methods

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LOCATION
The New Forest is one of the UK’s premier tourist destinations. It offers various attractions for visitors all year round, including picturesque forest villages as well as beautiful scenery. It is located in Southern England, spreading over 150 square miles of Hampshire. In the New Forest, the well-being of the animals and the special needs of the countryside come first. The Forest is unarguably recognised as one of the most unique and important wilderness areas in Western Europe.

CONFERENCE VENUE
Ashurst Lodge is the home of the Wessex Institute and is located in the beautiful New Forest. The Lodge is situated only 10km from the centre of Southampton. It has excellent rail connections with London (105km) and is reasonably close to the two main airports in Britain: Heathrow (90km) and Gatwick (120km).

Ashurst Lodge is an ideal venue for conferences and boasts a newly built conference centre, and an excellent standard of accommodation for visitors. The surroundings are equally attractive to those who enjoy walking, horse riding, cycling, sailing and fine landscapes.

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.

ENQUIRY FORM
BEM / MRM 2011
28 - 30 June 2011, New Forest, UK

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

The continuous success of the conference since its first meeting took place in 1978 indicates the strength of the research carried out by different groups worldwide. The history of this conference, now in its 33rd annual meeting, traces the evolution of advanced methods since the first successful development of boundary integral techniques in BEM took place to the recent and most sophisticated 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 element and finite differences. The aim is being achieved first through the emergence of BEM systems that eliminate the need for an internal mesh, and more recently through the development of a series of advanced techniques for further mesh reduction approaches culminating in the emergence of meshless methods.

Since 1978 the conference has produced a series of volumes in which all major developments in the field have been represented. This valuable collection has been available in digital form since 1999 when the volumes started to be archived in the University of the Western Institute at http://library.witpress.com where they can be easily accessed by the international scientific community.

The BEM/MRM conference attracts a substantial number of both established and leading researchers in the field. The meetings have always had a special appeal to young researchers and are characterised by a friendly atmosphere in which scientists at different stages of their careers can interact with each other.

Engineers and scientists within the areas of numerical analysis, boundary elements and meshless methods will benefit from attending the meeting.

The annual meeting of the Editorial Board of the International Journal of Engineering Analysis with Boundary Elements and other Mesh Reduction Methods (EABE) will take place during the conference. The journal has successfully become the main publication not only for Boundary Elements but for many other papers in the important field of mesh reduction techniques.