Boundary Elements and other Mesh Reduction Methods

XXXIII

Editors

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Contents

Section 1: Advances in solid mechanics

Probabilistic fatigue crack growth using BEM and reliability algorithms
E. D. Leow & W. S. Venturini............................................................3

Modification of Gauss-Chebyshev quadrature for modelling
of crack growth in the field of residual stresses
A. N. Galybin & S. M. Atiskovich ..................................................15

A tangential differential operator applied to stress and
traction boundary integral equations for plate bending
including the shear deformation effect
L. Paterno Jr. ..................................................................................25

The BEM for buckling analysis of viscoelastic plates
modelled with fractional derivatives
J. T. Katsikadelis & N. G. Babouskos..............................................35

Section 2: Fluid flow applications

BEM simulation of transient fluid flow phenomena
J. Ravnik & L. Skerget.................................................................49

Devised numerical criteria for calculating the
density diffusion in a water reservoir
M. Kanoh & T. Kuroki.................................................................61

Application of the boundary element method to 2D and
3D bubble dynamics
Z. Fu & V. Popov........................................................................73
Calculation of propeller's load noise using LES and BEM numerical acoustics coupling methods
Q. Yang, Y. Wang & M. Zhang ........................................... 85

URANS and LES methodology for two-dimensional natural convection in a differentially heated cavity by BEM
L. Skerget & J. Ravnik ......................................................... 99

BEM simulations of diffraction-optimized noise barriers
S. Gasparoni, M. Haider, M. Conter & R. Wehr ........................................ 111

Section 3: Computational methods

A shape sensitivity analysis approach based on the boundary element method
T. Matsumoto, T. Takahashi, K. Shibata & T. Yamada .................................. 121

An efficient boundary element modeling of the time domain integral equations for thin wires radiating in a presence of a lossy media
D. Poljak, S. Antonijevic & V. Doric ........................................ 133

Stability issues in 3D BEM formulations for transient elastodynamics
C. G. Panagiotopoulos & G. D. Manolis ........................................ 143

A multi-domain boundary element analysis technique based on a row elimination-back-substitution method for solving large-scale engineering problems
X.-W. Gao & J.-X. Hu ......................................................... 153

A boundary element formulation for axi-symmetric problems in poro-elasticity
M. H. Ozayicioglu & M. Yener Ozkan ........................................ 165

Section 4: Advanced formulations

The expedite boundary element method
N. A. Dumont & C. A. Aguilar ........................................... 179

A fundamental solution based FB model for thermal analysis of nanocomposites
H. Wang & Q. H. Qin ......................................................... 191
On STEM of tectonic stress fields in tsunami regions
J. Iura & A. N. Galybin .............................................. 203

Section 5: Advanced meshless and mesh reduction methods

Time integrations in solution of diffusion problems by local
integral equations and moving least squares approximation
V. Sladek, J. Sladek & Ch. Zhong .................................................. 217

The MPS for the detection of inner boundaries in linear elasticity
A. Karageorghis, D. Lesnic & L. Martin ........................................... 229

IRBFN-based multiscale solution of a model 1D elliptic equation
D.-A. An-Vo, C.-D. Tran, N. Mai-Duy & T. Tran-Cong ......................... 241

A meshless solution of two dimensional density-driven
groundwater flow
K. Kovarik .......................................................... 253

Evenly spaced data points and radial basis functions
L. T. Luh .......................................................... 265

An efficient implementation of the radial basis integral equation method
E. H. Ooi & V. Popov ...................................................... 273

Forced vibrations of tanks partially filled with liquid under seismic load
V. Gnita, U. Marchenko, V. Naumenko & E. Strelnikova ...................... 285

Solving heat transfer in a timber beam exposed to fire with
methods based on radial basis functions (RBFs)
L. Vrankar, G. Turk, E. J. Kansa & F. Runov .................................. 297

Moving least square – one dimensional integrated radial basis
function networks for time dependent problems
D. Ngo-Cong, N. Mai-Duy, W. Karunasena & T. Tran-Cong .................. 309

The radial basis integral equation method for 2D Helmholtz problems
H. Dogan & Y. Popov ....................................................... 321

Meshless computation for partial differential equations of fractional order
P. H. Wen & Y. C. Hon .................................................... 333

Author index ........................................................... 345
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, spanning over 150 square miles of Hampshire. In the New Forest the wildlives are the highlight and the special needs of the countryside come first. The Forest is a unique and important wilderness area in Western Europe.

CONFERENCE VENUE

Asturial Lodge is the home of the Wessex Institute and is situated on the shores of New Forest. The Lodge is located only 10km from the centre of Southampton, it has excellent rail connections with London (100km) and is reasonably close to the two main airports in Britain: Heathrow (50km) and Gatwick (120km).

Asturial 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 also particularly 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 Secretary.

CALL FOR PAPERS

33rd International Conference on Boundary Elements and other Mesh Reduction Methods

BEM/MRM 2011

28 – 30 June 2011

New Forest, UK

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BEM / MRM 2011
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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.

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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 ANY INFORMATION TO THIRD PARTIES. HOWEVER, ANY INFORMATION ABOUT THIS CONFERENCE WILL BE SENT TO YOU BY EMAIL.
The conference on Boundary Elements and Mesh Reduction Methods is the recognised international forum for the presentation and discussion of the latest advances in these methods and their applications in science and engineering.

The continuing success of the conference since its first meeting took place in 1978 indicates the strength of the research carried out by different groups around the world. 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 most and most sophisticated Mesh Reduction Methods. The objective of the meetings is to 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 approaches culminating in the meshless methods of science.

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 to the public since 1993 when the volumes started to be archived at the library of the Wessex Institute (http://library.witpress.com) where they can be easily accessed by the international scientific community.

WHO SHOULD ATTEND

The BEM/MRM conference attracts a substantial number of well-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 differences 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.

CONFERENCE TOPICS

- Advanced meshless and mesh reduction methods
- Higher order methods
- Electrical engineering and electromagnetics
- Fluid flow
- Advanced structures applications
- Computational mechanics
- Advanced structural applications
- Dynamics and vibrations
- Damage mechanics and fracture
- Material characterisation
- Financial engineering applications
- Stochastic modeling
- Emerging applications

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Papers presented at Wessex Institute conferences are refereed by Crossref and regularly appear in notable reviews, publications and databases, including refereing 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 Modelling and Simulation in paper and digital format (ISSN: 1744-064X).
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