

Conference Announcement and Call For Papers

15th International Conference on Boundary Element Technology

BETECH 2003

19 - 21 May 2003
Detroit, USA

Organised by:
Wessex Institute of Technology, UK
Kettering University, USA
and Philips Display, USA



Visit the conference website for the latest details at:
www.wessex.ac.uk/conferences/2003/betech03

The 15th International Conference on Boundary Element Technology provides an established platform for the exchange of ideas in the field. The meeting will give the opportunity for researchers and industrial users to discuss novel advances in the theory and application of the Boundary Element Method (BEM).

This conference, to take place in Dearborn, Detroit, will be particularly focused on the solution of industrial problems, including those of interest to the automotive and aerospace industry.

The meeting has the collaboration of major institutions in the region as well as from Europe and the rest of the world.

CALL FOR PAPERS

Papers are invited on the topics outlined opposite and others falling within the scope of the meeting. Abstracts of no more than 300 words should be submitted to the Conference Secretariat or via the conference website 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, must be presented at the conference. Each submitted paper is subject to a separate registration. We strongly encourage the submission of abstracts electronically. *The language of the conference will be English.*

TOPICS

Corrosion and galvanic protection, Durability, Fluid flow, Heat transfer, Industrial applications, Shape optimisation, Stress analysis, Wear and contact problems, Vibrations and dynamics, Fracture and fatigue, Noise and industrial vibrations, Electromagnetics, Practical advantages of BEM over FEM, Combined modelling approaches, Advances in BEM computing, New applications.

CONTACT

Conference Secretariat, BETECH 2003, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, SO40 7AA, UK.
Tel: 44 (0) 238 029 3223
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Email: rgreen@wessex.ac.uk



WESSEX INSTITUTE OF TECHNOLOGY
Advancing International Technology Transfer



Conference Announcement and Call For Papers

**Eleventh International Conference on
Computational Methods and
Experimental Measurements**

CMEM 2003

12 - 14 May 2003
Halkidiki, Greece

Organised by:
Wessex Institute of Technology, UK
University of Naples, Italy
and University of Thessaloniki, Greece



**Visit the conference website for the latest details at:
www.wessex.ac.uk/conferences/2003/cmep03/**

CMEM 2003 is the eleventh international conference in this well established series on computational methods and experimental measurements. These successful meetings provide a unique forum for the review of the latest work on the interaction between computational methods and experimental measurements.

Experimental measurements are themselves conditioned to the requirements of the computational models. Hence it is important that scientists working on experiments communicate with researchers developing computer codes, as well as those carrying out measurements on prototypes. The orderly and progressive concurrent development of all these fields is essential for the progress of engineering sciences.

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TOPICS

Fluid dynamics, Structural and stress analysis, Dynamics and vibrations, Heat transfer, Material characterization, Data acquisition and processing, Computer interaction and control of experiments, Electrical and electromagnetic applications, Computational and analytical methods, Computer aided experimental techniques, Computational and experimental control, Indirect measurements.

CONTACT

Conference Secretariat, CMEM 2003, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, SO40 7AA, UK.

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Conference Announcement and Call For Papers

Eight International Conference on Computer Aided Optimum Design of Structures

OPTI 2003

**19 - 21 May 2003
Detroit, USA**

Organised by:
Wessex Institute of Technology, UK
University of Coruna, Spain
and Kettering University, USA



**Visit the conference website for the latest details at:
www.wessex.ac.uk/conferences/2003/opti03/**

OPTI 2003 is the eighth international conference in this successful series on Computer Aided Design and Optimisation. The objective of this conference is to communicate recent advances in optimisation and to demonstrate how optimisation can be applied in engineering practice.

The integration of computer aided design together with optimisation techniques is becoming prevalent in all aspects of industry and research, spanning such problems as the design of automobiles, aircraft, bridge structures and space vehicles.

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encourage the submission of abstracts electronically. *The language of the conference will be English.*

TOPICS

Advanced analysis, Advanced numerical techniques, Applications in mechanical engineering, Composite materials, Computer packages, Emergent applications, Expert systems, Material selection and design, Multi-objective optimisation, Non-linear structural behaviour, Fluid structure interaction, Fluid optimisation, Numerical methods, Optimal control, Optimisation and manufacturing, Optimisation of composites, Performance based design, Shape and topology optimisation, Smart materials, Testing and design, Virtual prototyping and optimisation, Automotive engineering applications, CAD/CAE and optimisation

CONTACT

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