

This book is a collection of edited papers presented at the fourth International Conference on Boundary Element Techniques, held at the University of Granada, Spain, during 15-17 July 2003.

Edited by  
R Gallego of the Catedrático de Universidad, Depto. Mecánica de Estructuras, Universidad de Granada, Spain

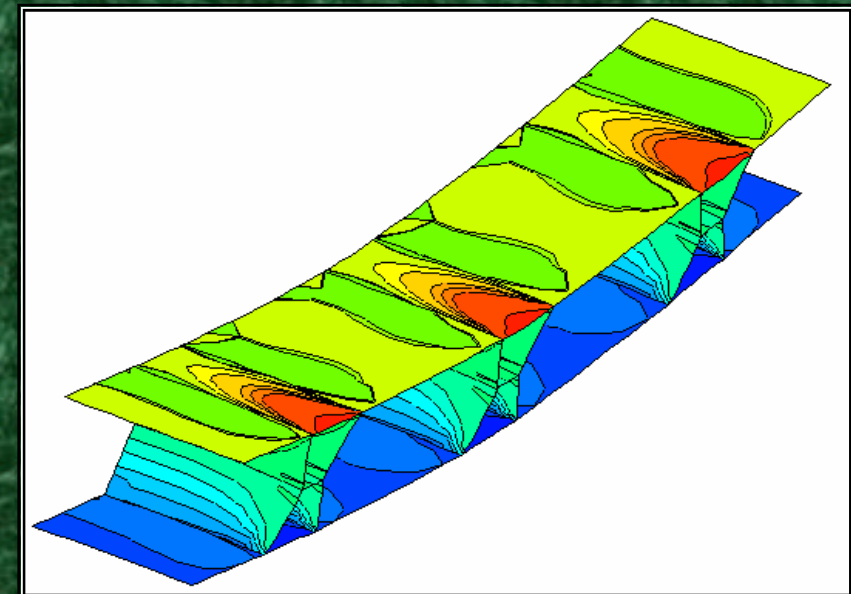
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**Gallego  
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# Advances in Boundary Element Techniques IV

Edited by  
**R Gallego and M H Aliabadi**

Advances in Boundary Element Techniques IV



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# Advances in Boundary Element Techniques

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## Proceedings of International Boundary Element Techniques

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Queen Mary and Westfield College, University of London, London 1999  
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(ISBN 2 940130 13 2)

*Boundary Element Techniques, Proceedings of the Third International  
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(ISBN 7 302 05745 -1).

## PREFACE

This book is a collection of the edited papers presented at the fourth International Conference on Boundary Element Techniques, held at University of Granada, during 15-17 July 2003. Previous meetings were held at Queen Mary, University of London (1999), Rutgers University (2001) and Tsinghua University (2002).

The meeting which was attended by researchers from over 20 countries served as a forum to promote new developments in the study of Boundary Element Method and its application to real world problems. The topics discussed included: fracture mechanics, nonlinear problems, sensitivity and optimisation, plate bending, transient problems, contact mechanics, composite materials, soil dynamics and industrial applications. Also presented were new formulations and advances techniques for improving the computational aspects of the method.

Keynote addresses were given by J. Dominguez and S. Atluri. In addition several invited papers were presented by R Abascal, E.Liu, Ch. Zahng, J. Sladek, M.Tanaka, W.T.Ang, K.Davey, S.E. Mikhailov, N.Kamiya, S.Noorozi, J.C.F.Telles, M.Denda, A.Cisilino, C.L.Tan, G.Davi, F.Paris, L.J.Gray, L.C.Wrobel, A.J.Davies, A.J.Nowak, T.Matsumoto, V.Minutolo, V.M.A.Leitao, and P.Sollero.

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