

This book is a collection of edited papers presented at the fifth International Conference on Boundary Element Techniques, held in Lisbon, Portugal during 21-23 July 2004.

Edited by
V.M.A.Leitao DECivil/CIST, Instituto Superior Técnico, Lisboa, Portugal.

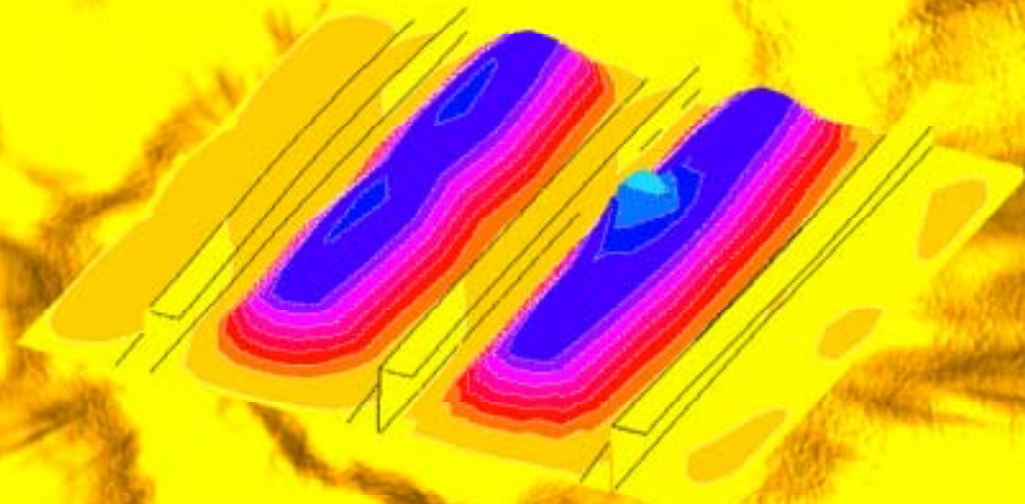
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Advances in Boundary Element Techniques V

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V.M.A Leitão and M.H Aliabadi



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21-23 July 2004, Lisbon, Portugal

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PREFACE

This book is a collection of the edited papers presented at the fifth International Conference on Boundary Element Techniques, held in Lisbon, Portugal, during 21-23 July 2004. Previous meetings were held at Queen Mary, University of London, UK (1999), Rutgers University, USA (2001), Tsinghua University, China (2002) and University of Granada, Spain (2003).

The meeting which was attended by researchers from 18 countries served as a forum to promote new developments in the study of Boundary Element Method (BEM) also known as the Boundary Integral Equation Method (BIEM). The topics discussed included: Heat Transfer and Fluid Mechanics, Structures and Solid Mechanics, Fracture and Damage Mechanics, Dynamics and Vibrations, New formulations and Computational Algorithms, and Soil Mechanics.

The opening Keynote address was delivered by Professor E.R. de Arantes e Oliveira. The other Keynote addresses were given by J. Sladek and M. Tanaka. In addition several invited papers were presented by Y.Ochiai, B.Sarler, A.Nowak, R.Gallego, J.C.F.Telles, S.E.Mikhailov, R.Abasal, V.Mantic, M.Denda, C.L.Tan., A.Blazquez, P.Sollero, G.Davi, M.Bonnet, K.Davey, A.J.Davies, S.Amini, Z.Yao, N.Kamiya, T.Matsumoto, W.S.Venturini, S.A.Kinnas, Ch.Zhang and S.Atluri.

The organizers are indebted to Instituto Superior Técnico for their support of the meeting.

We would like to express our appreciation to the members of the International Scientific Advisory Board for their help in promoting the meeting.

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