

Moving Boundaries VII

Computational Modelling of Free and Moving Boundary Problems

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SEVENTH INTERNATIONAL CONFERENCE
ON COMPUTATIONAL MODELLING OF FREE
AND MOVING BOUNDARY PROBLEMS

MOVING BOUNDARIES VII

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PREFACE

This book contains most of the papers presented at the 7th International Conference on Computational Modelling of Free and Moving Boundaries held in Santa Fe, USA. The Meeting was organised by the Wessex Institute of Technology, UK and the University of New Mexico. The well-established Conference series first started in Southampton (1991); continuing in Milan (1993); Bled, Slovenia (1995); Ghent (1997); Ljubljana (1999) and in Lemnos, Greece (2001).

Problems in which the position of the surface is part of the solution can only be solved analytically in a few cases. They require the development of suitable computational methods that provide accurate solutions. The problems are generally time-dependent which adds to their complexity. The papers published in the book present some of the most up to date research in the solution of these difficult problems.

The modelling of free and moving boundary problems occurs in many different disciplines and solutions are proposed from different perspectives. The Conference provided an interdisciplinary forum where the mathematical basis underlying all these problems were discussed.

The Editors are grateful to all authors for the excellent papers and particularly to those Members of the International Scientific Advisory Committee who helped review the contributions, hence ensuring the quality of the contents of this book.

The Editors
Santa Fe, New Mexico

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