Coastal Engineering VII

Modelling, Measurements, Engineering and Management of Seas and Coastal Regions

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MODELLING, MEASUREMENTS, ENGINEERING AND
MANAGEMENT OF SEAS AND COASTAL REGIONS

COASTAL ENGINEERING VII

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Editors:

C A Brebbia
Wessex Institute of Technology, UK

M de Conçeicao Cunha
University of Coimbra, Portugal

WITPRESS Southampton, Boston

C A Brebbia
Wessex Institute of Technology, UK

M de Conçeicao Cunha
University of Coimbra, Portugal

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Preface

Recent disasters have confirmed the importance of adequate protection of coastal areas. The cumulative effects of development in these regions need to be better understood to be able to manage them in a sustainable fashion. The problems are challenging given the dynamics of the processes taking place on shorelines and the multitude of aspects that need to be considered. The contributions in this book address a wide variety of subjects relevant to the successful management of coastal areas.

The book contains the edited papers presented at the 7th International Conference on Computer Modelling and Experimental Measurements of Seas and Coastal Regions (Coastal Engineering VII) organised by the Wessex Institute of Technology and the University of Coimbra and held in the Algarve. The Meeting brought together researchers and professionals involved in the development of modern computational and experimental tools and resulted in new insights in the coastal engineering field.

The papers cover a broad variety of topics, ie:

- Shallow water studies
- Pollutant transport and dispersion
- Water quality issues
- Oil spills
- Estuarine problems
- Coastal ecosystems and their sustainability
- Coastal erosion and sedimentation
- Sea defense and protection systems
- Coastal geomorphology
- Case studies

The Editors would like to highlight the work of the members of the International Scientific Advisory Committee members for their assistance in selecting the papers in this book and are grateful to all authors for the excellence of the papers submitted.

The Editors
Algarve, 2005

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