### Air Pollution

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THIRTEENTH INTERNATIONAL CONFERENCE ON MODELLING, MONITORING AND MANAGEMENT OF AIR POLLUTION

AIR POLLUTION XIII

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Air Pollution XIII

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Preface

Air Pollution continues to be a major cause of concern all over the world and is a problem that requires urgent attention. The contamination of our atmosphere affects the quality of life and has serious consequences for human health and climatic change. As the energy demands of the world’s population continue to increase at an accelerating rate, air pollution increases and the problem is becoming more difficult to solve.

This situation, which is in danger of becoming out of control, has resulted in a widespread awareness of the public to the degrees of air pollution. This has led to demands to find ways of stopping further deterioration of air quality and to start implementing remedial initiatives.

Air Pollution does not respect boundaries and its solution requires the political will of the international community. The implementation of any measures however, is the responsibility of scientists and engineers and it needs the development of scientific and technical expertise. It is necessary first to understand the physics of the problem in order to propose effective Air Pollution Management strategies.

This book presents some of the latest developments in this field. It contains the papers presented at the 13th International Conference on Modelling, Monitoring and Management of Air Pollution, held in Cordoba, Spain in 2005. The aim of the Conference was to develop a better understanding of the problem and of the new tools required for managing air quality.

This volume contains a series of important contributions to our knowledge in this important field. The papers are classified in the following sections:

- Air pollution modelling
- Air quality management
- Urban air pollution
- Transport emissions
- Comparison of model and experimental results
- Monitoring and laboratory studies
- Global and regional studies
- Aerosols and particles
- Urban air quality in Asian region
- Emission inventories

The Conference Series started in Mexico (1993), and continued in Barcelona (1994); Halkidiki (1995); Toulouse (1996); Bologna (1997); Genova (1998); San Francisco
(1999); Cambridge, UK (2000); Ancona (2001); Segovia (2002); Catania (2003); and Rhodes (2004). All these meetings have attracted outstanding contributions from leading researchers from all over the world and have been published in paper and electronic format (for further information, see www.witpress.com).

The next meeting in the series is to take place at the Wessex Institute of Technology Campus in the New Forest, England, from 22-24 May, 2006.

The Editor is grateful to the members of the International Scientific Community who participated in the selection of the papers and to all authors for their outstanding contributions.

The Editor
Cordoba, 2005
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