

Preface

In 1969 the North Atlantic Treaty Organisation (NATO) established the Committee on Challenges of Modern Society (CCMS). The subject of air pollution was from the start, one of the priority problems under study within the framework of various pilot studies undertaken by this committee. The organization of a periodic conference dealing with air pollution modeling and its application has become one of the main activities within the pilot study relating to air pollution. The first five international conferences were organized by the United States as the pilot country; the second five by the Federal Republic of Germany; the third five by Belgium; the next four by The Netherlands; and the next five by Denmark; and with this one, the last three by Portugal.

This volume contains the papers and posters presented at the 27th NATO/CCMS International Technical Meeting on Air Pollution Modeling and Its Application held in Banff, Canada, 24-29 October 2004. The key topics at this ITM included: Role of Atmospheric Models in Air Pollution Policy and Abatement Strategies; Integrated Regional Modeling; Effects of Climate Change on Air Quality; Aerosols as Atmospheric Contaminants; New Developments; and Model Assessment and Verification.

104 participants from North and South America, Europe, Africa and Asia attended the 27th ITM. The conference was jointly organized by the University of Aveiro, Portugal (Pilot Country) and by The University of Calgary, Canada (Host Country). A total of 74 oral and 22 poster papers were presented during the conference.

Invited papers by Stephen Dorling of the United Kingdom (Climate Change and Air Quality), Tim Oke of Canada (Siting and Exposure of Meteorological Instruments at Urban Sites), and Greg Yarwood of the United States (Particulate Matter Source Apportionment Technology (PSAT) in the CAMx Photochemical Grid Model) were presented.

We wish to thank the volunteers who assisted with the presentations and registration including Shannon Fargey, Vivian Wasiuta, Astrid Sanusi, Tara Allan, and Naisha Lin. We also wish to thank the Scientific Committee members and the Banff Centre and University of Aveiro staff involved in coordinating the meeting and preprint volume.

On behalf of the Scientific Committee and as Organizers and Editors, we would like to express our gratitude to all participants who made the meeting successful. The efforts of the chairpersons and rapporteurs were appreciated.

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The next conference in this series will be held in 2006 in Leipzig, Germany

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