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Editor

C.A. Brebbia

Wessex Institute of Technology, UK

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C.A. Brebbia

Wessex Institute of Technology, UK

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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

Contents

Section 1: Air pollution modelling

Sources and sinks: emission and absorption of greenhouse gas, a case study in Italy <i>N. Marchettini, F. M. Pulselli & E. Tiezzi</i>	3
Micromixing effects in air pollution modelling <i>A. Garmory, E. Richardson & E. Mastorakos</i>	11
Environmental control of air pollution by gases coming from refineries through flow-dynamics modeling: an experimental feasibility test <i>F. Patania, A. Gagliano, F. Nocera, A. Galesi & A. Belluardo</i>	23
PM10 forecasting in Santiago, Chile <i>P. Perez & J. Reyes</i>	33
A three-dimensional numerical model of air pollutant dispersion <i>K. Kaminski, W. Kaminski & J. Petera</i>	39
Modelling the effects of traffic emissions on the air quality <i>G. Genon & E. Brizio</i>	49
The study of ground ozone concentration levels: a functional analysis approach based on Principal Components Analysis <i>L. M. Caligiuri, G. D. Costanzo & A. Red</i>	59
Optimization of a model for evaluation of the air quality monitoring network: the case of EMEP stations <i>E. Jach-Szakiel, J. Skrzypski & W. Kaminski</i>	69
Air quality modelling of sulphur dioxide emission from power plants in Kuwait <i>M. S. Al-Rashidi, V. Nassehi & R. J. Wakeman</i>	79

The impact of biogenic VOC emissions on tropospheric ozone formation in the Mid-Atlantic region of the United States <i>M. L. Bell & H. Ellis</i>	89
Theoretical solutions for turbulent flows within the scenario of the k - ϵ model <i>H. E. Schulz, J. G. Janzen & K. C. O. Souza</i>	97
A modelling analysis of the response of dimethylsulphide production in the Arctic Ocean to global warming <i>A. J. Gabric, B. Qu, P. Matrai & A. C. Hirst</i>	107
A neuro-fuzzy model for ozone forecasting <i>G. Latini, G. R. Cocci, G. Passerini & S. Tascini</i>	117
Section 2: Air quality management	
A review of background air quality trends in Europe using EMEP data <i>J. M. Baldasano, M. Gonçalves & P. Jiménez</i>	129
Consultation for local air quality management in the UK: opportunities for and barriers to successful science communication <i>P. Dorfman, C. Beattie, F. Burnet, D. Gibbs, J. Longhurst, E. Weitkamp & N. Leksmono</i>	139
A preliminary investigation of local air quality management and environmental justice in England and Wales <i>I. Gegisian, M. Grey, J. Irwin & J. W. S. Longhurst</i>	149
GIS mapping of nitrogen dioxide diffusion tube monitoring in Cornwall, UK <i>J. Barnes, B. Parsons & L. Salter</i>	157
Evaluation of the effect of the new approach of local air quality review and assessment in Great Britain: the Updating and Screening Assessment phase <i>S. M. Hassan, K. A. Ling, J. W. S. Longhurst & N. K. Woodfield</i>	167
Environmental monitoring system UWEDAT, station-computer UWEDAT-LAN <i>J. Schabauer & G. Schimak</i>	177
Assessment of air quality and atmospheric deposition in Hungary <i>L. Bozó</i>	187

Passive samplers in indoor air quality control <i>B. Zabiegała, M. Partyka & J. Namieśnik</i>	195
Clean technologies center at the University of New Orleans <i>B. Kura, S. Sangameswaran & K. Kambham</i>	205
ISHTAR Project: building an advanced decision support tool for improving urban sustainability <i>A. Agostini, E. Negrenti & M. Lelli</i>	213
Efficient control of emissions in fish and meat processing plants <i>A. R. Pendashteh & N. Chaibakhsh</i>	223
Systemic approach to management of air quality monitoring <i>N. Kadikis</i>	229

Section 3: Urban air pollution

No-methane hydrocarbon compounds and primary and secondary gaseous pollutants in the ambient air of Rome: their contribution to ozone formation <i>P. Avino & M. V. Russo</i>	241
Air contamination in a small urban area in southern Poland <i>K. Sawicka-Kapusta, J. Gdula-Argasińska, M. Zakrzewska, E. Bartyzel, W. Graca Dorociuk & M. Ghuc</i>	251
Winter and summer ammonia emissions in the City of Manchester, UK, related to traffic and background sources measured using an Aerodyne Quantum Cascade-TDLAS <i>I. D. Longley, J. D. Whitehead, H. Coe & M. W. Gallagher</i>	261
Micro-scale consideration of air dispersion in urban street canyons <i>S.-D. Kim, S.-K. Park, H. Lee, D.-S. Kim & J.-H. Kim</i>	269
Study of the O ₃ -NO _x relationship in different periods of the year <i>N. Quaranta, C. Grasselli, M. Caligaris & L. Videla</i>	279
Observation of the environment quality in the metropolitan area of the city of Messina <i>G. Cannistraro, A. Cusumano, G. Giaconia, G. Lupo, A. Piccolo, D. Plutino & L. Ponterio</i>	285

Overview and some preliminary results from the COST-715 Action: “Meteorology applied to urban air pollution problems” <i>S. Joffre, M. Piringer, B. Fisher, M. W. Rotach, J. Kukkonen & M. Schatzmann</i>	293
---	-----

A study of the air pollution levels produced in the neighbourhood of an urban terminal bus station <i>L. M. Caligiuri, A. Reda & A. Sabato</i>	305
--	-----

Section 4: Transport emissions

An experiment to investigate the contributions of biomass burning pollution to distant city environments <i>C. Boian, V. W. J. H. Kirchhoff & N. M. Paes Leme</i>	315
---	-----

The development and implementation of a model to assess traffic-related soot-particle and nitrogen oxide emissions in regions <i>D. Schmedding & W. Schade</i>	327
--	-----

Using aerial photographic data for inventory of air emissions from road traffic sources: case study in the city of Lisbon <i>V. Gois, L. Nogueira, C. Almeida, H. Maciel & P. Torres</i>	337
--	-----

CO ₂ benefit from the increasing percentage of diesel passenger cars: the case of Sweden <i>E. Zervas, S. G. Pouloupoulos, M. Nikolaki & C. Philippopoulos</i>	347
---	-----

An advanced software tool for vehicular emissions disaggregate estimation <i>A. Agostini, M. Lelli, E. Negrenti & A. Parenti</i>	357
--	-----

Section 5: Comparison of model and experimental results

A study of atmospheric dispersion in urban environments through release of SF ₆ passive tracer: comparison of the experimental results with 3 Gaussian models (Doury, Pasquill and Pasquill-Urban) <i>O. Connan, D. Maro, P. Germain, D. Hébert, M. Rozet, C. Lac, C. Camail & F. Bonnardot</i>	369
---	-----

Finite element simulation of toxic gas dispersion in urban terrain: preliminary results <i>M. J. Assael & K. Kakosimos</i>	379
--	-----

Section 6: Monitoring and laboratory studies

A study on tropospheric ozone concentration near an oil refinery at Falconara, Italy <i>F. De Santis, A. Pasini, R. Bellagotti, F. Vichi, D. Zona & I. Allegrini</i>	391
O ₃ and CO ₂ concentrations in a rural area in central Spain <i>M. L. Sánchez, M. A. García, B. de Torre & I. Pérez</i>	401
Application of a global airborne pollutant indicator to quantify the danger of air pollution <i>S. Cariou, J.-M. Guillot, L. Pépin, P. Kaluzny & L.-P. Faure</i>	411
Sidestream cigarette smoke: a low cost monitoring system to evaluate PM ₁₀ and PM _{2.5} emission factors <i>B. Kura, Y. Weatherton, E. Naoum, K. Kambham & S. Sangameswaran</i>	417
A low cost transportable instrument based on microsystem technologies for benzene monitoring in outdoor air: a comparative in-field test using a standard GC tool <i>I. Elmi, S. Zampolli, L. Dori, G. C. Cardinali, S. Nicoletti, G. Giovanelli & M. Severi</i>	425
Airborne particle detection using acoustic transducers <i>M. Chaos, G. F. Haddad & R.-H. Chen</i>	435
Trends in surface ozone concentrations over the Czech Republic in 1993–2003 <i>I. Hünová</i>	445
Implementation of a PC-based data-logger software for air pollution monitoring networks <i>G. Latini, L. Magnaterra, S. Tascini & G. Cencioni</i>	455
Air pollution in the base stations of the environmental integrated monitoring system in Poland <i>K. Sawicka-Kapusta, M. Zakrzewska, J. Gdula-Argasińska & G. Bydłoń</i>	465
Accuracy enhancements of the ARX model by introducing LSW theory in ozone peak prediction <i>J. S. Park, J.-Y. Lee, H. Lee & J.-J. Lee</i>	477

Section 7: Global and regional studies

Greenhouse gas emissions in the EU: are we reaching the Kyoto objectives? <i>J. G. Kretzschmar</i>	489
---	-----

Topographic winds as an aid to pollution transport from northern France to Kent, southeast England <i>V. Nicolas-Perea, R. J. Odle & P. J. A. Burt</i>	499
---	-----

Section 8: Aerosols and particles

Quantum effects in electrostatic precipitation of aerosol and dust particles <i>A. A. Berezin</i>	509
--	-----

Studies of the uptake of gaseous ethyl-3-ethoxy propionate onto ammonium sulfate and ammonium nitrate aerosol particles <i>K. D. Stewart & J. M. Andino</i>	519
--	-----

Validation and verification of emission factors in the heavy metal emission determination for the Slovenian Thermal Power Plants (TPP) and a comparison of the metal content in flue gases and ambient air <i>A. Bole, A. Šušteršič, J. Škantar, J. Jamšek & B. Rode</i>	529
---	-----

Trends in particulate matter in urban and rural areas of the U.K. over the last 7 years and the potential impact of future climate change on these trends <i>G. Sanchez-Reyna, K.-Y. Wang & D. E. Shallcross</i>	539
---	-----

Section 9: Urban air quality in Asian region

Temporal and spatial variation of particle-bound polycyclic aromatic hydrocarbon (PAH) concentration and PAH compositions at different particle-size ranges in the urban air environment in the Bangkok metropolitan area <i>T. Hoshiko, K. Yamamoto, K. Fukushi & T. Chetwittayachan</i>	551
--	-----

Assessment of roadside air quality in the Tokyo metropolitan area by a novel biomonitoring method <i>K. Fukushi, C. Sriussadaporn, D. Shimazaki & K. Yamamoto</i>	563
--	-----

A study on motorcycle-based motorization and traffic flow in Hanoi city: toward urban air quality management <i>T. Shimizu, A. T. Vu & H. M. Nguyen</i>	577
Characterization of urban and suburban aerosols: PM _{10-2.5} and PM _{2.5} in Bangkok <i>W. Jinsart, R. Krerkkaiwal & S. Wangwongwattana</i>	595
Urban air pollution: a Bangladesh perspective <i>M. Habibur Rahman & A. Al-Muyeed</i>	605
 Section 10: Emission inventories	
Local, regional and national aspects of emissions inventories <i>C. Trozzi</i>	617
Emission Inventories: between policy applications and science <i>T. Pulles</i>	631
Towards a North American air emissions inventory: electric power plants as a case study <i>P. J. Miller & C. Van Atten</i>	641
Road transport emissions at national and local levels: methodological development within the MeditAiraneo project <i>J.-P. Chang & G. Gaborit</i>	651
Croatian aspect of emission inventory <i>Z. Juric, J. Burek & D. Vesligaj</i>	661
 Author Index	 671

