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# Urban Air Quality

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## **Editors**

Ranjeet S Sokhi and Marina Neophytou

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College Lane  
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AL10 9AB  
United Kingdom

*All inquires to:*

Professor Ranjeet S Sokhi  
Centre for Atmospheric Science and Instrumentation Research (CAIR)  
Science and Technology Research Institute  
University of Hertfordshire  
College Lane, Hatfield, AL0 9AB, UK  
Tel: +44(0) 1707 284520 Fax: +44(0) 1707 284208  
Email: r.s.sokhi@herts.ac.uk

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## *Preface*

This sixth meeting builds upon the series that began at the University of Hertfordshire, UK in July 1996. The subsequent meetings have been held at the Technical University of Madrid (1999), Loutraki, Greece (2001), Charles University, Prague (2003) and Valencia, Spain (2005).

Air pollution remains a key issue for achieving sustainable development of cities. Our urban areas are continuing to grow in terms of population, transport, energy consumption and utilities. This growth is having impacts on local scales in terms of exposure to high concentrations near streets and other sources and impacts on regional and global scales including climate change. Consequently, the need for improved understanding of the science of urban air pollution remains a priority for the wider scientific community. Despite improvements in technology, however, users still require new, robust management and assessment tools to formulate effective control policies and strategies.

UAQ2007 brings together scientists and other stakeholders from across the globe to discuss the latest scientific advances in our understanding of air pollution and its impacts on urban areas. The conference will also seek to highlight developments in management strategies and assessment tools for policy and decision makers.

This volume presents a collection of short papers presented at the Conference. The main themes covered in the Conference include:

- Aerosols
- Air Quality Assessment
- Air Quality in Cities including Megacities
- Air Quality Management, Policy and Tools
- Emissions Measurements and Modelling
- Local-Urban Scale Studies
- Measurements and Remote Sensing
- Mesoscale Modelling
- Personal Exposure and Health Impacts
- Source Apportionment Studies
- Urban Climate/Meteorology

Ranjeet S Sokhi, Centre for Atmospheric and Instrumentation Research (CAIR),  
University of Hertfordshire, UK

Marina Neophytou, Department of Civil and Environmental Engineering,  
University of Cyprus, Cyprus  
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