

Special Issue

Recent Advances in Urban Ventilation Assessment and Flow Modelling

Message from the Guest Editors

We invite researchers to contribute original research articles, as well as review articles, dealing with all aspects of ventilation in urban areas. These contributions include recent experimental and modeling works, techniques and developments tailored to the assessment of urban ventilation and flow and pollutant dispersion in cities. We are also interested in reviews with possible future lines of investigations. Topics of interest include, but are not limited to:

- ventilation efficiency and application/development of ventilation indices;
- relation between indoor and outdoor ventilation;
- effects of urban morphology and obstacles on ventilation;
- data (meteorological and air quality) from new field campaigns in cities and wind tunnel experiments for the estimation of ventilation indices;
- experimental and modeling application studies to real cities with attention to high density cities and high-rise buildings;
- mitigation strategies of poor ventilation conditions and urban air pollution.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2018)



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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

Dr. Daniele Contini

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