



# Ventilation Systems

Design and performance



Edited by Hazim Awbi



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Properly designed ventilation systems for cooling, heating and cleaning the outdoor air supplied to buildings are essential for maintaining good indoor air quality as well as for reducing a building's energy consumption. Modern developments in ventilation science need to be well understood and effectively applied to ensure that buildings are ventilated as efficiently as possible.

*Ventilation Systems* provides up-to-date knowledge based on the experience of internationally recognised experts to deal with current and future ventilation requirements in buildings. Presenting the most recent developments in ventilation research and its applications, this book offers a comprehensive reference to the subject, covering the fundamentals as well as more advanced topics. It is a unique publication as it covers the subject rigorously in a way needed by researchers but has a practical flavour that will be of value to a wide range of building professionals.

**Hazim B. Awbi** is Professor of Building Environmental Science at the University of Reading, UK, and founder of the Indoor Environment and Energy Research Group (IEERG).

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