

## Special Issue

# The Potential Use of Low-Cost Air Pollution Sensors in Variety of Indoor and Outdoor Applications

### Message from the Guest Editor

In this SI, we aim to discuss the use of a network of LCSs for the control of both indoor and outdoor environments. We encouraged authors to explore the key steps by focusing on sensor selection, deployment strategies, data assimilation and processing, and development of predictive models to overcome the widespread adoption of LCSs in different settings. This SI aims to address this need by highlighting high-quality research into the development of affordable but accurate LCSs network for long-term deployment:

- Development and evaluation of next-generation LCSs for indoor/outdoor applications
- New and innovative methods/techniques for calibration of LCSs
- Optimum deployment strategies of networked-LCSs
- Development of methods/techniques which make LCSs reliable for long-term applications
- Advanced data assimilation, data processing, and innovative modelling approach for monitoring and predicting air pollution in networked structures
- Exposure and health impact assessment using stationary and mobile-based LCSs
- Co-designing and -development of LCS-based systems with support of citizen scientists
- Other related studies that satisfy the special issue aims and objectives.

### Guest Editor

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### Deadline for manuscript submissions

closed (26 August 2021)



## Atmosphere

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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!

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### Editor-in-Chief

Dr. Daniele Contini

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