



Real-Time Air Quality Monitoring Systems

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Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editors

The World Health Organization (WHO) estimates that air pollution kills seven million people worldwide every year and that 9 out of 10 people breathe air with a concentration of pollutants exceeding its guideline limits. Providing timely, detailed, and accurate information to citizens and government officials about the air they breathe can, therefore, improve health quality. This is an interdisciplinary challenge requiring the joint effort of researchers from computer science, engineering, environment science, health, and other scientific areas.

We are organizing this Special Issue to advance the field of real-time air quality monitoring systems. We invite researchers to submit their work on theoretical and practical aspects of such systems, addressing open problems in sensors, data collection, fusion, and storage systems, privacy, intelligent forecasting and alarming as well as web and mobile applications directed at individuals and organizations for decision support.





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