

Special Issue

Mobile Systems for Environmental Sensing

Message from the Guest Editors

Environmental sensing technology can be deployed at many points across a city. Mobile technology has advanced to provide robust connectivity solutions, enabling these sensors to be deployed and exploited efficiently and effectively by city authorities and other bodies. Environmental monitoring can exploit IoT sensors, smartphones, UAVs to measure many parameters in cities. As these systems grow in complexity, greater capability and flexibility are gained by extending the autonomy of system processes. With data processing close to the edge, quick responses to events are better assured, and with processing deployed across layers from the edge to the cloud, resilience and security are increased. Edge data analytics is gaining major importance, advocated to cope with the surge in IoT data, enabling fast and privacy-preserving computation. This Special Issue aims to investigate the design, implementation, deployment, operation and evaluation of mobile systems and solutions for environmental sensing with an emphasis on solutions that can synergistically leverage techniques and insights from the domains of sensing, networking, scalable computing and artificial intelligence technologies.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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