New IoT Technologies for Monitoring Forests and Their Ecosystem Services

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Deadline for manuscript submissions:
closed (12 December 2021)

Message from the Guest Editors

In the era of Industry 4.0, artificial intelligence and wireless technologies are increasingly being implemented in many different sectors of society, mainly to optimize production processes and automation. However, a few applications are still addressing environmental challenges, in particular forest monitoring and ecosystem services. The scale of forest services is continuously growing, from new materials production to carbon sequestration, air quality, health, biodiversity, land protection, and hydrologic cycle regulation. Urban trees and their services are also becoming a prominent need of the new urban life. The proposed Special Issue will accept papers that contribute to develop new sensors and technologies for monitoring forest ecosystems components and services, including trees, wildlife, soil, and atmosphere. Papers that integrate individual monitoring components with large-scale Earth observation technologies and/or artificial intelligence/big data analysis are also encouraged.

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