Special Issue

UAVs and Satellite Data for Forest Protection: Remote Sensing, Monitoring, Fire Detection and Emergency Management

Message from the Guest Editors

Forests are subject to several risks, spacing from illegal logging to desertification and wildfires, which require the employment of complex protection systems that use a broad spectrum of specialized technologies. In this direction, UAVs offer the capability of remotely monitoring vast areas and dynamically responding to emergency scenarios, a feature that ground sensor networks and human operators cannot provide as effectively. This Special Issue aims at providing an overview of the latest applications and developments in forest protection systems that benefit from aerial drones, also encouraging contributions that combine satellite information and ground data with aerial measurements.

Potential topics of interest include but are not limited to:

- Fire detection;
- UAV patrolling and surveillance systems;
- Formation control;
- Flight control systems;
- Remote sensing hardware design;
- UAV intelligence;
- Data fusion techniques for forest protection;
- Machine learning for pattern recognition and anomaly detection.

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About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.
There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

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