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UAV/Drones for Agriculture and Forestry

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Deadline for manuscript submissions:
closed (28 February 2019)

Message from the Guest Editors

UAV technology is developing fast based on platforms, cameras and integrated systems. Agriculture and forestry could benefit from the added value of flexibility and increased spatial resolution of UAVs. However, processing of raw UAV datasets towards tailor-made end-products is still a critical step.

The specific data characteristics of UAV sensors allows to develop innovative methods for vegetation and crop analysis. The increased spatial resolution of the images provides opportunities for machine vision and machine learning approaches to improve the retrieval of relevant plant traits.

This Special Issue focuses on innovative approaches in the processing chain of UAV data for applications in agriculture and forestry, including, but not limited to, the topics:

- Object recognition and machine vision, time series analysis, real time exploration, plant trait retrieval including 3D, mechatronics, robotics;
- Agricultural applications like fertilization, pest and disease management, weed detection, mapping of plant health;
- Forestry applications like mapping of forest biomass, species identification, forest structure, biochemistry.

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Editor-in-Chief

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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.

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