

## Special Issue

# UAV/Drones for Agriculture and Forestry

### 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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### Guest Editors

Dr. Harm Bartholomeus

Prof. Dr. Lammert Kooistra

Prof. Dr. Javier J Cancela

Dr. Xesús P. González

Prof. Dr. Francisco Javier Mesas Carrascosa

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### Deadline for manuscript submissions

closed (28 February 2019)



## Drones

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## About the Journal

### Message from the Editor-in-Chief

*Drones* is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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