Using Drones for Individual Tree Detection (ITD) and Its Applications

Guest Editors:

Dr. Eben N. Broadbent

Dr. Adrian Cardil

Dr. Ana Paula Dalla Corte

Dr. Pabodha Galgamuwa G.A.

Dr. Midhun (Mikey) Mohan

Shaurya Bajaj

Deadline for manuscript submissions:
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Message from the Guest Editors

This Special Issue aims to promote and support advancements in research activities in the domain of individual tree detection (ITD), which has benefited tremendously from the proliferation of low-cost unmanned aerial vehicles (UAVs) and data science industry in recent years. Currently, ITD finds applications in multiple sub-sectors within forestry, including forest health monitoring, biomass mapping, forest growth modeling, deforestation tracking, disturbance and recovery analysis, canopy gap quantification, UAV-supported seed sowing, species diversity estimation, biodiversity conservation, land-use/land-change analysis, natural resource management, restoration assessment, pest detection, and three-dimensional (3D) canopy structure analysis, among others. More and more use case scenarios are emerging day-by-day with the support of state-of-the-art technological amalgamations such as UAV-LiDAR (light detection and ranging) and data fusion strategies. We hereby invite authors to consider this open-access SI to publish their original and/or review articles in the broad field of forest remote sensing and associated spheres related to ITD and its applications.

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Special Issue

Editor-in-Chief

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50, 05003 Avila, Spain

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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