Special Issue

UAV Applications in Forestry

Message from the Guest Editor

Unmanned aerial vehicle (UAV) applications are rapidly expanding and revolutionizing remote sensing for natural sciences. UAV platforms provide a unique opportunity for acquiring low-cost imagery at fine spatial and temporal resolutions from local to regional scales. Recent advances in UAV sensors include LiDAR and hyperspectral sensors, although multispectral and thermal sensors have been commonly used on UAV platforms. UAV-based visible (RGB) and near-infrared (NIR) images are also used to generate three-dimensional models of topography and vegetation using structure from motion (SfM). Taken together, the UAV sensors, associated images, and derived products can now provide critical datasets for forest monitoring, impact assessment, change detection, and management protocols. This special issue examines UAV-based multispectral, hyperspectral, and three-dimensional images in forestry applications. In particular, this Special Issue focuses on quantitative assessment of errors and accuracies of UAV image-derived forest metrics and variables at the scale of forest stands as well as individual trees.

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2019)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/16654

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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