Special Issue

UAVs for Civil Engineering Applications

Message from the Guest Editor

Civil engineering projects (e.g., building construction, road construction, public works) require reliable, accurate spatial data. In many cases, the construction sites are difficult to reach or field measurements would disturb the onsite works. Although the innovation level of civil engineering projects is mostly low, there is a huge potential to improve the level of automation, using building information modeling (that requires accurate geometry as input) and digital twin models (near real-time monitoring of construction sites from the beginning). The as-built models effectively support the operational phase of the building's lifecycle and facility management. Unmanned aerial vehicles (UAVs) are cost-effective tools for carrying various sensors (cameras, laser scanners) and are able to provide point clouds in a short period of time. In particular, civil engineering design, construction or operational phases, and UAVs potentially replace traditional surveying methods.

Guest Editor

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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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