



Unmanned Aerial Vehicles (UAV): New Solutions and Applications for Real-Life Tasks

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Message from the Guest Editors

Dear Colleagues,

The recent widespread use of Unmanned Aerial Vehicles (UAVs) as well as their reduced costs allow their application in real-life remote sensing scenarios. For this reason, several of the tasks that are usually performed by humans could now benefit from an UAV-based approach, e.g., to operate in hazardous environments, automatize tedious tasks, or even just improve system performance. Moreover, UAVs can equip different kinds of cameras, such as RGB, depth RGB, and/or infrared, which can be useful for different application contexts. Different from traditional techniques, there is no need to duplicate the acquisition devices, drastically reducing costs and allowing a better-quality camera of the same price. In addition, in some specific fields, the use of UAVs can have a high impact. For example, in environmental anomaly detection, old techniques were based on satellite acquisitions.

This Special Issue is looking for new solutions for tasks that can be eased by using UAVs, novel deep network architectures that are especially focused on UAV-captured videos, and possible new tasks on which the use of UAVs can be beneficial.





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