Special Issue

Applications of Digital Photogrammetry and 3D Laser Scanning in Geomatics

Message from the Guest Editors

Digital photogrammetry and 3D laser scanning play pivotal roles in advancing the field of geomatics, offering innovative solutions for mapping, surveying, and modeling the Earth's surface and its underlying elements. This Special Issue explores their applications, shedding light on the transformative impact these technologies have on various domains within geomatics. In this context, some potential use cases have driven significant advances in areas such as Land Use Planning, Natural Resource Management, Infrastructure Development, Transportation Engineering, Environmental Monitoring, Disaster Management, Archaeological Studies, Mining and Exploration, Precision Agriculture, Geomorphological Studies, Utility Infrastructure Management, Climate Change Research, Cultural Heritage Preservation, Precision Forestry, and Remote Sensing Applications, among others. This Special Issue aims to explore and highlight these diverse applications, showcasing the transformative potential of digital photogrammetry and 3D laser scanning in advancing the field of geomatics.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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