

Special Issue

Intelligent Point Cloud Processing, Sensing and Understanding—Fourth Edition

Message from the Guest Editor

Point clouds are deemed to be one of the foundational pillars representing the 3D digital world, despite irregular topologies among discrete points. Recently, the advancements in sensor technologies that acquire point cloud data for flexible and scalable geometric representation have paved the way for the development of new ideas, methodologies and solutions in countless remote sensing applications. State-of-the-art sensors are capable of capturing and describing objects in a scene by using dense point clouds from various platforms (satellites, aerial, UAVs, vehicle-borne, backpacks, handheld and static terrestrial); perspectives (nadir, oblique, and side view); spectra (multispectral) and levels of granularity (point density and completeness). Meanwhile, the ever-expanding application areas of point cloud processing have already covered not only conventional domains in geospatial analysis but also manufacturing, civil engineering, construction, transportation, ecology, forestry and mechanical engineering, amongst others.

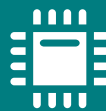
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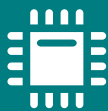


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