Special Issue

Emerging LiDAR Devices and Systems

Message from the Guest Editors

LiDAR (Light Detection and Ranging) calculates distances based on the emission of laser light and its return time measured by the sensor recording it as point cloud data in the form of spherical coordinates. The raster scanning method has been used to record all environments scanned by the laser. Nowadays, there is a wide range of applications, including autonomous vehicles, terrestrial earth observation, and remote sensing, marine environment detection, 3D environment modelling, etc. However, LiDAR still has an abundance of important problems to be solved. This Special Issue focuses on various key LiDAR technologies, discussing it from various aspects. We encourage submissions that include but are not limited to, advanced LiDAR devices, LiDAR systems, LiDAR applications, point cloud algorithms, and other related research fields, with the ambition of ushering in a new era of LiDAR technology.

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