Special Issue

Application of Signal Processing in Lidar

Message from the Guest Editors

Lidar technologies have long been used through the Global Navigation Satellite System (GNSS) but have been commercially used since the 1990's. It is used to make digital 3-D representations of areas on the Earth's surface and ocean bottom of the intertidal and near coastal zone, and measure atmospheric and marine environments by varying the wavelength of light. Lidars emergence as a cost effective and efficient tool in cloud point data accusation has seen a growing body of peer-reviewed literature documentation in recent years. Scope of this special issue Papers in all areas of Lidar, including but not limited to: LiDAR-related theory, design, experiments, applications, signal processing, system modeling, system composition, technology, light sources, optical systems, optical signal detection, and numerical simulations. Reviews of LiDAR-related developments of systems and technologies are also welcome. **Keywords**

- lidar signal processing
- optical signal processing
- lidar mapping
- LIDAR data analysis
- RADAR data analysis
- geographic information systems (GISs)
- terrestrial laser scanning

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Message from the Editor-in-Chief

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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