

## Special Issue

# LiDAR Sensor Hardware, Algorithm Development and Its Application

### Message from the Guest Editors

Lidar is an acronym for light detection and ranging, which originated in atmosphere monitoring before the invention of laser. Recently, according to the outburst demands of autopilot technology, lidar is regarded as the most effective sensor to detect the presence of vehicles, pedestrians, and other relevant entities, and has been manufactured in commercial vehicles. This Special Issue invites contributions on the cutting-edge lidar technology developments, including the hardware design and production, the robust algorithm and complex scenario, and the work to discover the advantages of the lidar sensors in various application fields. Potential topics include, but are not limited to:

- Lidar system and algorithm development for atmosphere monitoring on environmental and climate studies;
- Lidar sensing mapping and application in elevation measurement, ecological and land classification, precision forestry and agriculture, natural disaster and civil facility monitoring, micro-topography, etc.;
- Automatic driving lidar, algorithms for object detection and identification and 3D modeling;
- New technology and device for lidar sensors.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2022)



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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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