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Innovative Approaches in Photon Counting Lidar Systems: Techniques, Algorithms and Performance Optimization

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Message from the Guest Editor

Dear Colleagues,

We are pleased to announce a forthcoming Special Issue of the journal focusing on "Innovative Approaches in Photon Counting Lidar Systems: Techniques, Algorithms and Performance Optimization". Photon counting lidar has emerged as a groundbreaking technology for remote sensing applications, offering exceptional capabilities in high-resolution 3D mapping, environmental monitoring, autonomous navigation, and more. This Special Issue aims to provide a comprehensive platform for researchers, engineers, and practitioners to present and discuss the latest advancements in photon counting lidar systems.

Original research articles, reviews, and methodological studies that delve into various aspects of photon counting lidar technology are welcome. Research topics may cover (but are not limited to) the following areas:

- photon counting lidar
- 3D mapping
- environmental monitoring
- signal processing
- photon detection
- autonomous navigation
- performance optimization



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Prof. Dr. Bo Liu
Guest Editor

Special Issue