

Special Issue

The Application of Lidars in Positioning Systems

Message from the Guest Editors

The utilization of LiDAR (Light Detection and Ranging) technology in positioning systems has become increasingly significant. This technology is revolutionizing fields such as autonomous driving, robotics, and industrial automation by providing accurate distance measurements and detailed 3D mapping capabilities. This Special Issue aims to highlight the advancements, challenges, and future directions of LiDAR applications in positioning systems. The focus is on both theoretical developments and practical implementations that demonstrate how LiDAR can be integrated into various systems to improve their performance and reliability. Original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Autonomous driving;
- Robotics;
- Perimeter security;
- Target detection;
- Precision measurement;
- Deformation measurement;
- Rendezvous and docking;
- Automated forklifts.

We look forward to receiving insightful contributions.

Guest Editors

Dr. Jingguo Zhu

Institute of Microelectronics, Chinese Academy of Sciences, Beijing 100029, China

Prof. Dr. Cheng Wang

Department of Computer Science, School of Informatics, Xiamen University, Xiamen 361005, China

Deadline for manuscript submissions

closed (15 October 2025)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/213882

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).