

Special Issue

Advances in Photoelectric Tracking Systems

Message from the Guest Editors

The photoelectric tracking system is a complicated and highly precise piece of equipment integrating optics, mechanical components, electricity, and control. It has a significant impact on the fields of quantum communication, space laser communication, astronomical observations, moving-target tracking, and aerospace. To offer a relevant perspective on the status and prospects in this field to date, we cordially encourage the submissions of original research papers, communications, and review articles. The current Special Issue focuses on the most recent advancements in related theory, design, fabrication, and application with regard to photoelectric tracking systems. The topics of interest include, but are not limited to, the following areas:

- Photoelectric tracking system;
- Precision tracking;
- Mechanical design;
- Optical engineering;
- Vibration suppression;
- Active disturbance rejection control;
- Disturbance observer-based control;
- Fuzzy control;
- Friction rejection;
- Predictive filtering;
- Signal processing;
- Sensor fusion;
- Picture processing;
- Autonomous intelligence.

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Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.9 days after
submission; acceptance to publication is undertaken in 1.9
days (median values for papers published in this journal in
the second half of 2024).