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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Deadline for manuscript submissions

closed (10 October 2023)

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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