hv photonics

an Open Access Journal by MDPI

IMPACT FACTOR 2.1

CITESCORE 2.6

Optical Information Processing

Guest Editors:

Dr. Ling Zhang
School of Automation, Central South University, Changsha 410083, China

Dr. Duan Huang
School of Electronic Information, Centre South University, Changsha, 410083, China

Deadline for manuscript submissions:
closed (10 November 2023)

Message from the Guest Editors

Optical information processing refers to the extraction, encoding, storage, enhancement, deblurring, feature recognition, or various optical transformations for optical information in the process of image production, transmission, detection, processing, and so on.

This Special Issue invites manuscripts that introduce recent advances in "Optical Information Processing", aiming to develop innovative optical information technologies and their applications in various research fields. All theoretical, numerical, and experimental papers are accepted. Topics include but are not limited to the following:

- Various methods or tools developed for optical information processing;
- Optical imaging technology;
- Computational imaging of objects that is obscured;
- Spectroscopic imaging technology;
- Processing of optical images;
- Image or data processing using machine learning methods;
- The applications of optical information processing to granular materials, geological engineering, biomedical diagnosis, radar remote sensing, etc.