photonics

an Open Access Journal by MDPI

IMPACT FACTOR 2.1

CITESCORE 2.6

Optical Interferometry

Guest Editors:

Prof. Dr. Qun Yuan
School of Electronic and Optical Engineering, Nanjing University of Science and Technology, Nanjing 210094, China

Prof. Dr. Yidong Tan
Department of Precision Instrument, Tsinghua University, Beijing 100084, China

Prof. Dr. Zhongming Yang
School of Information Science and Engineering and Shandong Provincial Key Laboratory of Laser Technology and Application, Shandong University, Jinan 250100, China

Deadline for manuscript submissions:
closed (10 August 2024)

Message from the Guest Editors

Dear Colleagues,

Optical interferometry combines two or more light waves in such a way that an interference occurs between them. It is one of the most important optical technologies and is used for precision measurements, surface diagnostics, astrophysics, semiology, quantum information, etc. The Special Issue aims to reflect the latest research achievements and the developing trend of advanced optical interferometry. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Laser interferometry;
- Low-coherence interferometry;
- Interferometric measurement;
- Astronomical interferometer;
- Optical interferometric synthetic aperture radar;
- Self-mixing interferometry;
- Interferogram processing;
- Optical imaging;
- Frequency-modulated-continuous-wave (FMCW) laser ranging and LIDAR;
- Fiber sensing.

mdpi.com/si/168198

Special Issue