



## Micro-Nano Optics and High-End Measurement Instruments

Guest Editors:

**Prof. Dr. Zhengang Lu**

School of Instrumentation  
Science and Engineering, Harbin  
Institute of Technology, Harbin  
150080, China

**Prof. Dr. Pengcheng Hu**

School of Instrumentation  
Science and Engineering, Harbin  
Institute of Technology, Harbin  
150080, China

**Prof. Dr. Shuming Yang**

School of Mechanical  
Engineering, Xi'an Jiaotong  
University, Xi'an, China

Deadline for manuscript  
submissions:

**closed (30 September 2022)**

### Message from the Guest Editors

Micro–nano optics generally refers to the introduction of micro- and nano-optical structures into related materials to create new optical functional devices. The structure design and fabrication is a key issue in the development of micro–nano optics. It can realize many new functions on the basis of local electromagnetic interaction of micro- and nano-optical structures. It has played a significant role in many fields, such as optical communication, optical interconnection, optical storage, semiconductor devices, and so on.

This Special Issue aims to present original state-of-the-art research articles focused on the design, manufacture, and application of micro–nano-optical devices, as well as the development and application of high-end measurement instruments related to micro–nano manufacturing. Topics include but are not limited to:

- Nanotechnology and nanostructures in optics
- Metamaterials in optics or microwave
- Nanophotonics
- Micro- and nano-measurement technology
- Laser measurement technology and instruments
- Modern optical technology and instruments for precision and ultraprecision measurement
- 3D nanostructure measurement

