

# Special Issue

## Precision Optical Manufacturing and Processing

### Message from the Guest Editors

Precision optical elements have always been essential to strategic fields such as aerospace, defense, medical equipment, and electronics. In recent years, the development of those fields has created new requirements for optical manufacturing technology, which mainly focus on higher precision, efficiency, complexity, and intelligence. Therefore, developing new advanced micro/nanoscale machining technologies, state-of-the-art processing techniques, and corresponding equipment and establishing theoretical systems for better understanding and application of the process are of great significance. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on, but are not limited to, the recent advances and frontiers of the following areas:

- Precision engineering, inspection, measurement, and metrology;
- Manufacturing planning, optimization, and simulation;
- Computer-integrated manufacturing systems;
- Smart manufacturing;
- Micro/nanofabrication and manufacturing;
- Ultraprecision machining technology.

We look forward to receiving your contributions.

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### Guest Editors

Dr. Zhongchen Cao  
Prof. Dr. Lingbao Kong  
Dr. Dongxu Wu

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### Deadline for manuscript submissions

closed (30 July 2025)



## Micromachines

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## About the Journal

### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Nam-Trung Nguyen

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