

Special Issue

Adaptive Micro-Optics and Tunable Lenses for Miniaturized Imaging Systems

Message from the Guest Editor

We are delighted to announce this Special Issue focused on the rapidly advancing field of adaptive micro-optics and tunable lenses for miniaturized imaging systems. The relentless drive towards device miniaturization in areas such as medical endoscopy, mobile photography, drones, and augmented reality demands a paradigm shift from traditional, rigid optics. This issue will explore groundbreaking research on liquid lenses, MEMS-based mirrors, metasurfaces, Alvarez lenses, and other tunable optical technologies that enable dynamic control over focus, zoom, and aberration correction within severe size and power constraints. We invite contributions on novel device design, fabrication techniques, actuation mechanisms, system integration, and cutting-edge applications. Our goal is to compile a collection of high-quality papers that highlight the latest innovations and chart the future course of intelligent, compact imaging solutions. We look forward to your valuable submissions.

Guest Editor

Dr. Yang Cheng

School of Optics and Photonics, Beijing Institute of Technology, Beijing 100081, China

Deadline for manuscript submissions

closed (20 May 2026)



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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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Message from the Editor-in-Chief

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