Special Issue

Micro-Mirror Arrays as Versatile Photonic Tools

Message from the Guest Editor

Arrays of micro electromechanical (MEMS) mirrors, sometimes referred to as a digital micromirror device (DMD), have been commercially available for over 2 decades. During this period, their predominant commercial use has been for digital projection. This mature, robust technology has been applied to many and various applications across a range of disciplines. The list of applications continues to grow. The particular benefits of these micromirror arrays for the manipulation of light involve speed, wide spectral bandwidth and high power handling capability in comparison to other types of new applications and disciplines. This Special Issue aims to collect a range of applications and techniques that make use of these arrays to demonstrate the versatility of the devices. In this Special Issue, original research articles and reviews are welcome. Research areas may discuss (but is not limited to) the following:

- Wavefront control
- Wide bandwidth optics
- Spectroscopy
- Holography and diffractive control
- Mode generation and selective filtering
- Optical computation
- Lithography
- Confocal microscopy
- Hyperspectral imaging

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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