

Special Issue

Recent Advances in Optical Manufacturing and Processing

Message from the Guest Editor

Precision and ultra-precision optics, such as lenses and mirrors, are crucial in a huge range of applications, including laser physics, astronomy, remote sensing from space, the photolithography of semiconductor chips, joint and cranial implants, turbine blades, security and defense, as well as many other consumer electronics. Mass-produced optics are particularly used in autonomous electric vehicles, requiring cameras, sensors, and advanced lighting. This Special Issue aims to present original state-of-the-art research articles centred around recent advanced developments in optical manufacturing and processing, including, but not limited to, the following:

- bonnet polishing;
- magnetorheological finishing (MRF);
- ion beam figuring (IBF);
- fluid jet polishing (FJP);
- abrasive jet polishing (AJP);
- chemomechanical polishing (CMP);
- shape adaptive grinding (SAG);
- robotic polishing (RP);
- single-point diamond turning (SPDT);
- plasma jet finishing (PJF);
- plasma chemical vaporization processing (PCVP);
- reactive atom plasma technology (RAPT);
- atmospheric pressure plasma processing (APPP).

Guest Editor

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About the Journal

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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