

## Special Issue

# Advances in 3OM: Opto-Mechatronics, Opto-Mechanics, and Optical Metrology, 2nd Edition

### Message from the Guest Editors

This Special Issue approaches the 3OM domain, which unites three complementary fields: (1) Opto-Mechatronics is a blend of Optics & Photonics, Precision Mechanics, Electronics, Control & Automation, as well as IT. (2) Opto-Mechanics fills the gap between the high requirements of Optical Design and the capabilities of Mechanical technologies, addressing tolerances, errors, positioning issues, and methods to tackle them. (3) Optical Metrology is a large umbrella of applications that benefits from both fields above and includes industrial measurements, Non-Destructive Testing, biomedical imaging, Remote Sensing, as well as Security & Defense. Other fields that apply 3OM include Laser Manufacturing and Robotics, as well as Lasers in Medicine. Besides invited and regular submission, this Special Issue includes selected papers from the 'Advances in 3OM' International Conference, Timisoara, Romania.

- opto-mechatronics
- opto-mechanics
- optical metrology
- optical devices
- laser scanners
- optical modulators
- sensors and control structures
- imaging techniques
- optical coherence tomography (OCT)
- Laser Manufacturing

### Guest Editors

Prof. Dr. Virgil-Florin Duma

Prof. Dr. Constantin Daniel Comeagă

Prof. Dr. Marija Strojnik

Prof. Dr. Guillermo Garcia-Torales

### Deadline for manuscript submissions

20 October 2025



## Photonics

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*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto:photonics@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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