

Topic

Optical and Laser Scanning: Systems and Applications

Dear Colleagues,

Optical and laser scanning is utilized in a myriad of applications, from commercial (from barcode scanning to printers) to industrial (including laser manufacturing, 3D printing, and optical metrology) and high-end, with the latter in biomedical imaging (including confocal microscopy and optical coherence tomography (OCT)), non-destructive testing (NDT), remote sensing, and security and defense. All such applications involve aspect passive scanning (for sensing in different fields) or active scanning (for modifying properties of the scanned objects). While this Topic is opened up to all researchers, it also provides a selection of papers presented at the different editions of the *International Conference “Advances in 3OM: Opto-Mechatronics, Opto-Mechanics, and Optical Metrology”*, organized every other year in December in Timisoara, Romania, the European Capital of Culture in 2023.

Topic Editors

Prof. Dr. Virgil-Florin Duma

1. 3OM Optomechatronics Group, Department of Measurements and Electro-Optics, Faculty of Electronics, Telecommunications, and Information Technology, Polytechnic University of Timisoara, Timișoara, Romania

2. Center of Research and Development for Mechatronics, National University of Science and Technology POLITEHNICA, Bucharest, Romania

Prof. Dr. Guillermo Garcia-Torales

University Center in Exact Sciences and Engineering, Universidad de Guadalajara (U. de G.), Blvd. M. García Barragán 1421, Guadalajara 44410, Jalisco, Mexico

Deadline

Abstract Submission: 31 December 2026

Manuscript Submission: 5 March 2027

Participating Journals

Applied Sciences

Materials

Medicina

Optics

Photonics

Sci

Sensors

Micromachines



[mdpi.com/topics/
8225HOC88S](https://mdpi.com/topics/8225HOC88S)

Topics
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
topic@mdpi.com

mdpi.com/topics

