

## Special Issue

# Precision Optical Metrology and Smart Sensing

### Message from the Guest Editors

Computer-vision-based optical metrology methods, including triangulation, fringe projection and deflectometry, have attracted intensive interest and have widespread applications. With increasing requirements for measurement accuracy and sensing efficiency, evolutions and revolutions continuously occur in terms of measuring setup, fringe coding/decoding, light modulation, error compensation, etc. The impacts of environmental factors, machine tools, measuring procedures or even operators need to be investigated and addressed carefully in combination with recently emerging technologies such as artificial intelligence, robots, digital twin, photonics and so on. In order to establish a highly transdisciplinary discussion forum among scientists and engineers on precision optical metrology and intelligent sensing, this Topical Collection is proposed to share novel ideas, recent developments and literature reviews. The topics include, but are not limited to:

- 3D optical sensing;
- Computer vision;
- Quantitative phase imaging;
- Fringe projection;
- Deflectometry;
- Computational imaging.

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### Guest Editors

Dr. Xiangchao Zhang

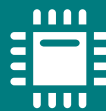
Dr. Jian Wang

Dr. Yajun Wang

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### Deadline for manuscript submissions

closed (30 September 2024)



## Sensors

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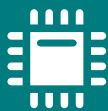


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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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