

Special Issue

Interferometric Sensing

Message from the Guest Editors

This special issue gathers insightful review and new research papers on the principles and application of applied optical interferometry for precision measurements of all kinds, including but not limited to:

- High-speed stage positioning
- Large scale dimensional measurements
- Interferometric sensing of temperature, pressure, composition
- Surface structure, surface films and materials analysis
- Interferometric ellipsometry
- Semiconductor metrology, including super-resolution, overlay measurements, and interferometric scatterometry
- Physical optics modeling of surface interactions for interferometric applications
- Testing of optical components and systems
- Interferometry for aspheric and free-form optics
- Interference microscopy
- Space-based interferometry
- Calibration, certification and standardization of instruments that use interferometry
- “Instantaneous” and “dynamic” areal surface measurements
- Quantitate phase imaging using interference
- Imaging of life-science objects, including cells and tissue
- Digital holography and speckle techniques

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2019)



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/26698

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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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