



## Interferometric Sensing

Guest Editors:

**Prof. Dr. Thierry Bosch**

LAAS-CNRS, Université de  
Toulouse, CNRS, Toulouse INP,  
Toulouse, France

**Dr. Peter de Groot**

Zygo Corporation, Middlefield, CT  
USA

Deadline for manuscript  
submissions:

**closed (15 November 2019)**

### 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





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### **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

## Message from the Editor-in-Chief

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*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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