

Special Issue

Sensor-Based Precision Dimensional Measurement

Message from the Guest Editors

This Special Issue welcomes original articles that disclose novel sensing or measuring methodologies and instrumentations for precision dimensional measurements, including new measuring principles, novel optical or optomechatronic design and implementation, online measurements, online or in situ measurements, AI-based learning or strategies, micro/nano measurements, algorithms for uncertainty analysis and minimization, other advanced technologies for precision optical measurements, etc. Original optical measuring or sensing principles in science and technological applications for advanced technology development, as well as concern of the precision and uncertainty of the measuring methods reported, are essential in submitted manuscripts. Meanwhile, we expect authors to demonstrate in their papers: novelty, significance, the broader relevance of their work in relation to precision optical measurement.

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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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