Topical Collection

Position Sensor

Message from the Collection Editors

Sensors aims to rapidly publish recent advances in the field of position and displacement sensors in a Special Issue. We invite submissions bringing novelty or improvement in this field and addressing any aspect such as sensing materials, fabrication methods, sensing approaches, signal conditioning, speed of response, accuracy, resolution, and linearity. We are also interested in new applications and challenges in this field such as wearable sensors, proximity sensors, wrapage and flatness sensors, height or step height sensors, bed levelling sensors, and displacement sensors in positioning platforms, stages, scanning probes, and micromanipulation devices.

- Capacitive displacement sensors;
- Magnetic displacement sensors: inductive, differential transformers (LVDT/RVDT), magnetoresisitive, magnetostrictive, hall effect, eddy current;
- Optical displacement sensors: laser doppler vibrometers, optical fibers, optical lever detection, fiber Bragg grating;
- Position encoders;
- Resistive displacement sensors: potentiometers, piezoresistive, strain gauges;
- Photodiode and CCD arrays;
- Ultrasonic displacement sensors;
- Piezoelectric displacement sensors

Collection Editors

Dr. Ali Bazaei

School of Electrical Engineering and Computing, University of Newcastle, Callaghan, NSW, Australia

Dr. Yong Zhu

School of Engineering and Built Environment, Griffith University, QLD, Australia

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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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.

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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