

Special Issue

Inertial Sensors and Systems in 2020

Message from the Guest Editors

The traditional key elements in inertial and integrated systems for navigation, positioning, and surveying, as well as for vehicle guidance and control are gyroscopes and accelerometers, i.e., inertial sensors. This Special Issue aims to highlight advances in the development, testing, and modeling of inertial sensors, i.e., on the component level, as well as of Inertial Navigation Systems (INS) and integrated systems based on gyroscopes and accelerometers. Topics include but are not limited to: Basic Technologies for inertial sensors and systems:

- Accelerometers
- Gyroscopes
- Manufacturing
- Advanced sensor characterization and error modeling techniques
- Online and offline calibration
- Inertial and integrated navigation system design
- Sensors and technologies for aiding inertial systems

Applications:

- Air, space, sea, and land vehicles
- Surveying
- Biomechanics in pedestrian navigation, sports, and medicine
- Structural health monitoring
- New and unconventional utilization of inertial sensors

Guest Editors

Prof. Dr. Jörg F. Wagner

Professor for Adaptive Structures in Aerospace, University of Stuttgart, Pfaffenwaldring 31, 70569 Stuttgart, Germany

Prof. Dr. Gert F. Trommer

Institute of Systems Optimization (ITE), Karlsruhe Institute of Technology (KIT), Fritz-Haber-Weg 1, 76131 Karlsruhe, Germany

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

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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