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Single-Molecule Sensors and NanoSystems

Guest Editors:

Prof. Dr. Frank Vollmer

Living Systems Institute,
University of Exeter, Exeter EX4
4QD, UK

Dr. Deshui Yu

Department of Physics &
Astronomy, University of Exeter,
Exeter EX4 4QD, UK

Dr. Jolly Xavier

Department of Physics &
Astronomy, University of Exeter,
Exeter EX4 4QD, UK

Deadline for manuscript
submissions:

closed (31 January 2021)



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Message from the Guest Editors

Sensor systems have emerged that exhibit extraordinary sensitivity for detecting physical, chemical, and biological entities at the micro/nanoscale. Particularly exciting is the detection and analysis of molecules on miniature devices that have many possible applications in health, environment, analysis, and security. We are planning a special Sensor issue for the conference Single-Molecule Sensors and nanoSystems S3IC which will be held in Barcelona from 9 to 11 September 2020.

<https://premc.org/conferences/s3ic-single-molecule-sensors-nanosystems/>

Potential topics include but are not limited to the following:

- Single-Molecule Devices, Sensor Technologies and Imaging
- Single-Molecule Spectroscopy and Force Spectroscopy
- Quantum Limits in Biodetection
- Quantum Sensors
- Biophotons and Biophotonics Sensors
- Molecular Machines, Synthetic Biology and DNA Origami
- Integrated Sensor Chips and multiplexed Sensing
- Micro/Nanofluidics and chemical control at the Nanoscale
- Molecular Electronics
- Modelling and Simulation
- Plasmonic Sensors

Special Issue



sensors



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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

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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Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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