

Special Issue

Quantum Information and Sensing Technologies

Message from the Guest Editors

This Special Issue is focused on quantum information and sensing technologies, e.g., proposal or experimental demonstration of not only new quantum-inspired sensing but also new technologies for the manipulation or measurement of the quantum state, such as solid-state spin, atom, photons, etc. The topics of this Special Issue include (but are not limited to) the following:

- Quantum Sensor;
- Quantum-inspired sensor;
- Quantum technology for sensing applications;
- Quantum states for quantum measurement and sensing;
- Solid-state spin-based quantum sensor, e.g., diamond, SiC, hBN;
- Atomic quantum sensor;
- Superconductivity-based quantum sensors, e.g., SQUID;
- Photonics quantum sensors, e.g., ghost measurements, undetected quantum spectroscopy, quantum imaging, quantum optical coherence tomography;
- Quantum theory and algorithm for quantum measurements, such as entanglement-based measurements;
- Practical implementations.

Guest Editors

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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.

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