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Novel Quantum Sensors

Guest Editor:

Deadline for manuscript submissions:
closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

Quantum sensors can have properties that make them inherently incredibly sensitive to aspects including, but not limited to, acceleration, rotation, and magnetic fields. Great strides to push on the fundamental limits of these devices have been made. Now, these sensors are beginning to emerge from the pristine environments of the laboratory and into more “real-world” environments. As such, trade-offs must be made that sacrifice sensitivity to accommodate the environment, power budget, complexity, and so on.

This issue is devoted to reports of advances in quantum sensors as they become better suited for operation. Papers should report on advances including, but not limited to, reduction of power, size, complexity, or advances in robustness and studies of performance in noisy environments.

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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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