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Magnetic Sensing/Functionalized Devices and Applications

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2020)

Message from the Guest Editor

Magnetic sensing or functionalized devices have been broadly researched in terms of their operation principles and property behavior under versatile applications in the fields of consumer electronics, automotive, automation, nondestructive testing, robotics, biochemistry, biomedicine, environmental monitoring, etc.

This Special Issue will address all aspects of research on magnetic sensing or functionalized devices and their applications. Original research and review articles are encouraged. Topics include but are not limited to:

- Induction sensors;
- Fluxgate sensors;
- Hall-effect magnetic sensors;
- Magneto-optical sensors;
- Resonance magnetodevices;
- Giant magnetoresistance;
- Superconductivity quantum interference devices (SQUID);
- Micromachined/MEMS-based devices;
- Sensor with functionalized magnetic particles;
- Magnetic functionalized transducers/flexible electronics;
- Functionalized materials for magnetic sensing;
- Novel applications of magnetic devices.



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Special Issue



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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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