

Sensors and Materials

Special Issue on Magnetic Sensors and Applications

Call for Papers

Magnetic sensors are widely used in sensing devices and account for a significant proportion of the sensor technologies used in many different fields. Magnetic sensors are used in both digital and analog measurement devices. For example, magnetoresistance is utilized not only in the read head sensors of digital devices, but also in geomagnetic field sensors to create compasses for analog devices. The development of magnetic sensors is dependent on advances in materials, device structures, and readout circuits to create convenient and high-performance devices. This special issue aims to provide a comprehensive overview of magnetic sensor device technology and its wide-ranging applications in a variety of fields from information to biomeasurements.

Scope:

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|-----------------------------|----------------------------|---------------------------|
| – Magnetoresistance sensors | – Flux gate sensors | – Biomagnetic measurement |
| – Hall sensors | – Magnetic sensor circuits | – Nondestructive testing |
| – Magneto-impedance sensors | – Magnetic sensor probes | – Exploration |
| – SQUIDs | – Magnetic field detection | – Magnetic monitoring |

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Guest Editor: Keiji Tsukada (Okayama University)

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(Attention)

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If you have any questions, please feel free to contact the editorial staff at the address below.

Editorial Department of *Sensors and Materials*

MYU K.K.

1-23-3-303 Sendagi, Bunkyo-ku, Tokyo 113-0022, Japan

Tel: +81-3-3827-8549, Fax: +81-3-3827-8547

E-mail: myukk@myu-inc.jp

