

# *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:**

- |                             |                            |                           |
|-----------------------------|----------------------------|---------------------------|
| – 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     |

**Submission due date:** January 31, 2019

**Publication date (planned):** Second half of 2019 – First half of 2020

**Journal website:** <http://myukk.org/>

**Guest Editor:** Keiji Tsukada (Okayama University)

**Submit to:** Online Manuscript Submission System (<https://myukk-org.ssl-xserver.jp/form/>)

#### **(Attention)**

As stated in Instructions to Authors in the Guidelines, the author(s) will be obliged to pay the publication fee upon the acceptance of the manuscript for publication (for example, JPY 95040 for 10 pages in *Sensors and Materials* format). If the quality of the English of your manuscript does not satisfy the journal standards, the authors will bear the proofreading fee (JPY 10000), which will be charged with the publication fee.

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

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