Special Issue on Remote Sensing and Sensing Devices

Preface

In this age of the Internet of Things (IoT), the numbers of sensors, wireless systems transferring sensing data, and power supplies or batteries, which drive the sensors, are increasing explosively. In addition, various applications of sensors, such as in medicine, agriculture, and biology, are spreading. In such an era, individual technologies, such as material engineering, electronics engineering, and communication engineering, cannot realize the IoT devices that satisfy the demand of the diverse users, and collaborative research among researchers from various fields becomes important.

The focus of this special issue is on all aspects of research and development related to materials, sensor circuits, low-power devices, micro-electromechanical systems (MEMS), packaging, wireless circuits for sensors, and energy-harvesting circuits for sensor batteries. This special issue contains 10 research papers in a wide range of research fields and is being published in the 30th anniversary year of *Sensors and Materials*. I hope that this special issue will mark a new stage in the further research and development of sensors and IoT devices.

Finally, I would like thank all the authors and the reviewers in the various fields. Moreover, I would like to express my deepest thanks to Professor Makoto Ishida, the Editor-in-Chief, Professor Kiyoshi Toko for advising me to take this opportunity, and Ms. Misako Sakano, Editorial Department of *Sensors and Materials*, MYU K.K., for their special support during the publication process of this special issue.

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