

## Special Issue

# Materials, Designs, and Manufacturing Innovations for Bio-Integrated Sensors and Systems

### Message from the Guest Editors

A broad range of materials proposed for bio-integrated sensors and systems spans from flexible and stretchable forms of conventional inorganic electronic materials to intrinsically soft biomaterials, elastomer composites, hydrogels, liquid metals, organic electronic materials, or emerging nanomaterials and structures. Demonstrated devices include sensors, actuators, energy harvesters, power supplies, and antennas with representative examples from skin-like electronics, implantable electronics, cellular bioelectronic interface, 3D electronic scaffolds, among many others. Various approaches to integrating these materials and devices for advanced bio-electronic systems include additive manufacturing, mechanically guided 3D assembly, micro/nanoscale fabrication, transfer printing, and many others. The latest developments in theoretical, computational, and experimental studies on fundamental materials science, novel design and function of sensors and devices, new fabrication techniques, and potential biomedical applications are all of the interest for this Special Issue. Dr. Huanyu (Larry) Cheng

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### Guest Editors

Dr. Huanyu Cheng

Department of Engineering Science and Mechanics, The Pennsylvania State University, University Park, PA 16802, USA

Prof. Dr. Lingqian Chang

School of Biological Science and Medical Engineering at Beihang University, Beijing 100191, China

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### Deadline for manuscript submissions

closed (31 July 2020)



## Sensors

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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*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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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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