



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

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Deadline for manuscript  
submissions:

**closed (31 July 2020)**

### Message from the Guest Editors

Dear Colleagues,

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

*Guest Editor*





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## Message from the Editor-in-Chief

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