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Soft Composite-Based Sensors

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

This Special Issue invites the submission of both original research articles and reviews related to soft materials/composites for sensing and detection applications. Soft materials/composites are attractive for various sensing applications due to a number of advantages, including tunability, sensitivity, stretchability/flexibility, ease of fabrication, various form factors, and low cost, to name a few. These materials can be tuned to sense various stimuli, including pressure, mechanical strain, temperature, acoustic wave, and humidity. Moreover, recent developments in advanced fabrication approaches, including 3D printing and having arrays of sensors, have opened up new opportunities for detecting the direction of the signal so that we can identify the source of the signal. This Special Issue is open to contributions ranging from novel material synthesis, device design, fabrications, testing, and evaluation, as well as innovative applications of sensors, including but not limited to health or environmental monitoring, soft robotics, and multifunctional sensors.

Sung Hoon Kang

Zhiyong Xia

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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