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Wearable Electronics for Noninvasive Sensing

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Message from the Guest Editors

Wearable technologies have gained significant research and market traction in recent years. Wearables are often empowered with wireless communication, wireless powering, smartphone connectivity, and GPS/WiFi tracing functions. Integration with multi-function physical and biochemical sensors advances wearable applications in healthcare, fitness, therapy, senior and infant care, security, and safety, along with the features of convenience, comfort, and ubiquitousness. This Special Issue focuses on state-of-the-art non-invasive sensing technologies, particularly for wearables and their applications.

This Special Issue welcomes research works on electrical, optical, magnetic, acoustic, and thermal sensing modalities, as well as the electronic device and system designs using these modalities for wearable applications. The scope includes, but is not limited to, ECG, EEG, EMG, IR (infrared) and NIR (near infrared), microwave, millimeter-wave, radio-frequency, ultrasound, nuclear magnetic resonance, and fluorescence sensing.

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Message from the Editor-in-Chief

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