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AI-Enabled Low Power Implantable and Wearable Medical Devices

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Deadline for manuscript submissions:

closed (20 April 2022)

Message from the Guest Editors

This Special Issue seeks submissions detailing cutting edge research from academia, industry, and practitioners with an emphasis on original, novel, innovative, and impact-oriented research providing insights into “AI-Enabled Low-Power Implantable and Wearable Medical Devices”. This Special Issue seeks all types of manuscripts, including reviews, research articles, and communications). An area of particular interest to this Special Issue is research that considers intelligent machine learning-based front-end sensing that could be embedded into low-power implantable and wearable medical devices as well as AI-enabled medical devices that will promote user autonomy and independent living.

To summarise, this Special Issue aims to bring together innovative developments and synergies in the below-mentioned topics but are not limited to the following:

- Embedded machine learning in wearable/implantable devices;
- Flexible electronic wearable devices;
- Textile sensors;
- Low-power electronic solutions for signals acquisition and processing from wearable sensors;
- Conductive/e-textiles for body area sensing;

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Message from the Editor-in-Chief

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