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Explainable AI in Medical Sensors

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Message from the Guest Editors

Dear Colleagues,

There exist many biomedical sensors, such as ultrasound sensors, chemical analysis sensors, biomaterial sensors, fluid flow sensors, MRI sensors, etc., in current medical research. These medical sensors are being developed with the help of advanced signal processing techniques. Meanwhile, artificial intelligence (AI) has gained recognition for its success in processing sensor data. Most AI models present impressively predictive accuracies, but they are recognized as “black boxes”. This proposal aims to provide diverse but complementary contributions to demonstrate the new developments and applications for explainable AI in processing medical sensor data.

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Message from the Editor-in-Chief

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