Artificial Intelligence for Medical Sensing

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Message from the Guest Editors

In the domain of contemporary medical research, a multitude of biomedical sensors, including ultrasound, chemical analysis, biomaterial, fluid flow, and MRI sensors, have emerged. These sensors are evolving in tandem with cutting-edge time-series data analytics and signal processing techniques. Simultaneously, AI has garnered widespread recognition for its prowess in processing sensor data. Its application range includes disease diagnostics, prognostics, and neurotechnology management for rehabilitation, precision health, treatment strategies, and patient care.

The primary objective of this Special Issue is to present a range of diverse yet complementary contributions that showcase the latest advancements and applications of AI in harnessing the predictive potential of medical sensor data. Moreover, this Special Issue will explore avenues for enhancing the interpretability and explainability of AI-generated insights derived from medical sensor data to ensure that these advanced technologies not only deliver precise predictions but also offer comprehensible and valuable insights to medical professionals and patients alike.

Special Issue

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Message from the Editor-in-Chief

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