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Learning and Triage for the Health Internet of Digital Twins

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Message from the Guest Editor

Dear Colleagues,

The medical sciences involve natural signals, without an immediate and exact relation to the ingredients of a mathematical model. The perfect algorithm can be too complex for real-time execution, while the fast solution lacks the required accuracy. Spreading the algorithmic ingredients in time and space results in many architectural arrangements that are worthy of consideration. For example, it has been demonstrated that the blood pressure meter can be bettered, from 25% for the single device to 3%. This uses a judicious selection of many crude measurements, each sharing packages with other parts. This is the world of the Internet of Things.

Learning by Reference takes physical plausibility into account for reading a measurement with increased accuracy. For instance, when compared with walking in the sun, the skin temperature will be lower in the shade. The skin temperature for a wrist sensor has a similar deviance. However, the offset is not a constant in a body network, as feature synchronization has to be included. This Special Issue will include such Learning by Reference mechanisms, including, but not limited to, swarming for triage in a typical polyclinic.

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Message from the Editor-in-Chief

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