



An Aggregation Platform for IoT-Based Healthcare: Illustration for Bioimpedancemetry, Temperature and Fatigue Level Monitoring

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Résumé en anglais	In this paper, we detail an in-home aggregation platform for monitoring physiological parameters, and involving two objective physical sensors (bio-impedanceter and thermometer) and a subjective one (fatigue level perceived by the patient). This platform uses modern IoT-related technologies such as embedded systems (Raspberry Pi and Arduino) and the MQTT communication protocol. Compared to many related works, monitoring is enterely achieved using a box as a central element, while the mobile device (tablet) is only used for controlling the acquisition procedure using a simple web browser, without any specific application. An example of a time stamped set of acquired data is shown, based on the in-home monitoring of healthy volunteers.
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