Dear reviewers,

the paper "An IoT system based on Powerline Technology for Pulse Oximetry measurement" is an extend version of the paper "A Pulse Oximetry IoT system based on Powerline Technology".

In the extend version, results on the proposed IoT system have been reported. In particular the measurement setup has been presented. The platform models a medium-sized house with an area of 74 m^2 on which electronic equipment can be plugged in order to study the behaviour of the Powerline communication in real condition.

Some results have been showed varing the hops in the proposed sensors network.

The Round-trip time and Packet loss has been evaluate in order to find the right configuration of the proposed system.