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Dear Reviewers

please find here the manuscript entitled “*Geometrical and Thermal Influences on a Bacterial Cellulose-Based Sensing Element*” that I, on behalf of all the co-authors, would like to submit for publication to ACTA IMEKO (Special Issue on ACTA IMEKO - MetroInd4.0&IoT 2019).

This paper reports the current stage of an activity which regards the characterization of green, biodegradable and eco-friendly sensors.

In particular this manuscript is an extended version of the proceeding of MetroInd4.0&IoT 2019: *Geometrical Analysis of a Bacterial Cellulose-Based Sensing Element (see ref [13])*, where a preliminary study has been presented.

The architecture proposed in this manuscript improves the state of the art and the proceeding paper (attached during the submission process), in particular in the extended version we present details concerning the fabrication of the device with a characterization in terms of thermal influences both in static and dynamic conditions.

I hope hearing from you soon and I will be at your disposal whatever additional information you would need

With my best regards