



Debanjan Mahata <debanjanmahata85@gmail.com>

[ISSPIT-2017] Review for paper #1570417460 assigned

1 message

Daniel Sierra-Sosa <d.sierrasosa@louisville.edu>

Mon, Dec 4, 2017 at 4:30 PM

To: Debanjan Mahata <debanjanmahata85@gmail.com>

Dear Dr. Debanjan Mahata:

The paper "Simulation and Development of a System for the Analysis of Pressure Ulcers" has been submitted to 2017 IEEE International Symposium on Signal Processing and Information Technology (ISSPIT). It has the following abstract:

The following article presents preliminary research concepts on the analysis and prevention of pressure ulcers at different stages using a sensor-based system with the purpose of reducing the occurrence of this illness. The general objective is to reduce incidences on bedded patients by improving the detection in areas at risk of developing pressure ulcers or detecting infected wounds once the ulcers have developed. The aim is to build an electronic system with an adequate sensor capable of analyzing the biomarkers released during infection so as to provide a wide analysis of the state of the pressure ulcer. The device takes a picture of an area in a patient without mobility and runs an optimal analysis of potential and present pressure ulcers along with its symptoms. The method used includes Sensors (Adafruit MiCS-5524 MQ2 and MQ3), Techniques of programming with Arduino and Integration of materials (microcontroller). The results will be displayed in a Matlab GUI which the !

final user may interact with. The MQ2 sensor specifies that the sensor works 75% with alcohol in an environment of 1000 ppm. The technologies combined will be part of a larger project that will include software and hardware development for the device. We conducted a usability test of the interface among potential users and received an average score of 87.75/100.

We believe that this paper falls within your area of expertise and would appreciate if you could serve as the TPC member responsible for handling this paper. Please confirm that you have received this assignment and indicate whether you accept at

<https://edas.info/R.php?r=8920844>

Please kindly indicate your choice as soon as possible, but no later than three days after receiving this message.

You can find all your review assignments at <https://edas.info/index.php?c=23878>, using the EDAS user name debanjanmahata85@gmail.com.

Thanks again for your help.

The conference chairs