



#44 (1570918852): IoT-Enabled Wearable Smart Glass for Monitoring Intraoperative Anesthesia Patients

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Hide details

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Paper title IoT-Enabled Wearable Smart Glass for Monitoring Intraoperative Anesthesia Patients

Conference and track The 2nd International Conference on Intelligence of Things 2023 - Internet of Things Applications

Abstract Surgeons use many technological advancements to increase the rate of successful surgeries. Also,...

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Review manuscript



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Regular review

Rev.	Reviewer	Actions	Review	Novelty and originality	Technical content and scientific rigour	Quality of presentation	Relevance and timeliness	Overall Recommendation
A		completed	Review					
B		completed	Review					

Rev.	Reviewer	Actions	Review	Novelty and originality	Technical content and scientific rigour	Quality of presentation	Relevance and timeliness	Overall Recommendation
C	Duy-Huy Nguyen	completed i  	Review	Some interesting ideas and results on a subject well investigated. 3	Valid work but limited contribution. 3	Readable, but revision is needed in some parts. 3	Acceptable 3	Accepted

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Tới: Nguyễn Duy Huy <nguyenduyhuy@humg.edu.vn>

Dear Mr. Duy-Huy Nguyen,

Thank you for completing the review of the paper #1570918852 ("IoT-Enabled Wearable Smart Glass for Monitoring Intraoperative Anesthesia Patients") for ICITconf'2023. Below is a copy of your review.

You can modify the report by going to <https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fedas.info%2FR.php%3Fr%3D12173940&data=05%7C01%7Cnguyenduyhuy%40humg.edu.vn%7Ccce9b9da21fb4fa74ff008db7b7c84f7%7Cc852d62b30324cdc96ab30e4368fabd7%7C0%7C0%7C638239546997727008%7CUnknown%7CTWFpbGZsb3d8eyJWlloiMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=nxJTh2qf3YYrG%2BovLCYYaNz%2FpdfgBStjVcjo6lgyQo%3D&reserved=0> up to the due date of Jul 4, 2023 10:59 Asia/Jakarta.

Best regards,
The conference chairs

> *** Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Some interesting ideas and results on a subject well investigated. (3)

> *** Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Valid work but limited contribution. (3)

> *** Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Readable, but revision is needed in some parts. (3)

> *** Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Acceptable (3)

> *** Strong aspects: Comments to the author: what are the strong aspects of the paper

The paper has new idea. Application of IoT technology for monitoring intraoperative anesthesia patients is necessary and is the hot trend today. The article structure is logical and suitable. The block diagram of the proposed system is suitable and feasible. The paper was well written in English.

> *** Weak aspects: Comments to the author: what are the weak aspects of the paper?

The authors should present the block diagram of algorithm for the proposed system. The simulation results are limited. Fig. 5. shows only the heartbeat rate on the smart glasses without other parameters as respiratory and temperature. Table 2 needs show more specifications of the smart glass as brand, communication ability with NodeMCU.

I have doubts about the simulation results in Fig. 9. The normal range for the vast majority of people is between 97°F (36.1°C) and 99°F (37.2°C) while Fig. 9 shows the temperature level of Anesthesia patients varies in range of 29 to 42 Degree Celsius. I think that the body temperature is less than 36.1 or higher than 37.2 is abnormal. I don't understand why the simulation results in Fig. 9 have many values of 29 and 31 °C. Is this due to the noise effects? Are simulation results reliable? Besides, when the surgeons wear the smart glasses can see anything clearly.

> *** Recommended changes: Recommended changes. Please indicate any changes that should be made to the paper if accepted.

The authors should complement the algorithm diagram of the proposed system to the paper as well as more specifications to the smart glasses. Fig. 5 needs to display more parameters as respiratory and temperature. In addition, the authors also need to explain clearly the simulation results shown in Fig. 9 and Table 1.

Word "glass" in the title should change into "glasses".

> *** Comments to the TPC: Confidential comments to the TPC (will be not sent to Authors)

The paper can be accepted if the authors completes the comments above.

> *** Submission Policy: Does the paper list the same author(s), title and abstract (minor wording differences in the abstract are ok) in its PDF file and EDAS registration?

The paper lists the same authors, title and abstract in its PDF file and EDAS registration.

> *** Overall Recommendation: Overall Recommendation
Accepted (1)