

Review of: "Optimized Low-Powered Wide Area Network within Internet of Things"

Maryam Chinipardaz¹

1 Jundi-Shapur University of Technology

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This article deals with the optimization of one of the parameters of LORAWAN protocol. Of course, research on IoT protocols is valuable and has a lot of work to do.

But for this article, a basic revision should be done to improve it. Here are my comments:

- In the introduction section, there are many repeated sentences and concepts.
- In the related works section, the articles related to the subject should be presented in a concise and useful manner and arranged in such a way that the gap of the subject is determined and the position of this article is clarified. It is not enough to just browse several articles.
- In general, the arrangement of the content is not appropriate and some texts should be moved to the correct section. For example, parts of the text of relevant works should be moved to the introduction section. Sections 3.4 to 3.8 should be included in Section 3.3.
- The text of the article should be checked for grammar and the choice of expressions.
- Useless content should be removed from the text of the article. For example, the description of the IoT layers or the introduction of MATLAB is not necessary in this article.
- The amount of energy of a network is very low in the range of e-17 joules. More accurate calculations must be done.
- Applying of PSO to the problem should be described more precisely and its time complexity should be analyzed.
- -There are many ambiguities in the results section. What is meant by existing work? What is the name of the proposed work in the diagrams?
- The results below some figures have nothing to do with its diagram. For example, in figures 4.6 and 4.9, how are conclusions made about energy efficiency?
- Explain the reason for the decrease in network bandwidth with the increase of network nodes in the diagrams.