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

Mohammad Zubair Khan[1]

1 Taibah University

Potential competing interests: No potential competing interests to declare.

Comments to authors and Editor

Recommendation: Resubmit with modification

1. The novelty of the paper is not clear.
2. There are many existing Optimized Low-Powered Wide Area Networks within the Internet of Thingsmethods.
3. Authors should compare to the existing works.
4. If the authors claim this method can be used in a practical system, computational complexity analysis should be provided. More practical network data are suggested to be used rather than only using simulated data for the training and inference.
5. The authors have considered various issues in their work. But their survey is not complete.

   They have not considered data variety and data skew in IOT. For this area, they should consider these works:
   Tao Hai, Arindam Sarkar, Rahul Karmakar, Mohammad Zubair Khan, Ayman Noor, Talal H. Noor, Abhinav Kumar, A. Yvaz, Neural session key exchange in the Industrial Internet of Things using hyperchaotic-guided vector-valued artificial neural synchronization,Engineering Applications of Artificial Intelligence, Volume 125,2023,106683,ISSN 0952-1976,

https://doi.org/10.1016/j.engappai.2023.106683.

(https://www.sciencedirect.com/science/article/pii/S0952197623008679)

Mohammad Zubair Khan, Arindam Sarkar, Abdulfattah Noorwali,

Memristive hyperchaotic system-based complex-valued artificial neural synchronization for secured communication in Industrial Internet of Things, Engineering Applications of Artificial Intelligence, Volume 123, Part B,2023,106357,

ISSN 0952-1976,https://doi.org/10.1016/j.engappai.2023.106357.

B. Ali, J. Mirza, S. H. Alvi, M. Z. Khan, M. A. Javed and A. Noorwali, "IRS-Assisted Physical Layer Security for 5G Enabled Industrial Internet of Things," in *IEEE Access*, vol. 11, pp. 21354-21363, 2023, doi: 10.1109/ACCESS.2023.3250251.

A. Shukla, M. Z. Khan, S. Kumar, A. Alahmadi, R. I. A. Altamimi et al., "Interpretive structural modeling based assessment

and optimization of cloud with internet of things (cloudiot) issues through effective scheduling," Intelligent Automation & Soft Computing, vol. 36, no.2, pp. 2281– 2297, 2023

Khan, M.Z.; Alhazmi, O.H.; Javed, M.A.; Ghandorh, H.; Aloufi, K.S. Reliable Internet of Things: Challenges and Future Trends. Electronics 2021, 10, 2377. https://doi.org/10.3390/electronics10192377

Khan S., Alvi A. N., Khan M.Z. et.al. (Accepted November 2020) "A novel super frame structure and optimal time slot allocation algorithm for IEEE 802.15.4 based Internet of Things "International Journal of Distributed Sensor Networks" https://doi.org/10.1177/1550147720984645