Qeios

Peer Review

Review of: "Large Models Enabled Ubiquitous Wireless Sensing"

Panchapakesan Ashok[1]

1. Digital and Telecom Management, Symbiosis International University, India

1. **Clarity of Objectives**: The paper effectively outlines the objectives of utilizing large models for spatial channel state information (CSI) prediction. However, a more explicit statement of the specific research questions could enhance clarity.
2. **Literature Review Depth**: The literature review is comprehensive and covers a wide range of methodologies. It would benefit from a more critical analysis of the limitations of existing approaches to better justify the need for the proposed framework.
3. **Methodological Rigor**: The methodology section describes the experimental setup and data generation well. However, additional details on the selection criteria for the models used would strengthen the justification for their applicability in this context.
4. **Results Presentation**: The results are presented clearly, but the inclusion of additional visual aids, such as graphs or charts illustrating performance comparisons across different models, would enhance reader comprehension.
5. **Statistical Analysis**: While the paper reports normalized mean square error (NMSE) values effectively, incorporating confidence intervals or statistical significance tests would provide more robust evidence of the proposed method's effectiveness.
6. **Discussion of Implications**: The implications of the findings are touched upon but could be expanded. A deeper exploration of how these results could influence future wireless communication technologies would be beneficial.
7. **Limitations Acknowledgment**: The paper should explicitly address any limitations or assumptions made during the research, particularly regarding environmental factors that could affect CSI prediction accuracy.
8. **Future Work Suggestions**: While future work is mentioned, it lacks specificity. More concrete suggestions for subsequent research directions based on current findings would provide valuable

 doi.org/10.32388/1H5B3I

insights for readers.

9. **Technical Terminology Consistency**: Ensure consistent use of technical terms throughout the manuscript to avoid confusion, particularly in sections discussing complex algorithms and models.
10. **Formatting and Structure**: The overall structure is logical; however, minor formatting issues (e.g., inconsistent font sizes or heading styles) should be addressed to improve readability and professionalism in presentation.

Declarations

Potential competing interests: No potential competing interests to declare.