

Review of: "Generative Artificial Intelligence Using Machine Learning on Wireless Ad Hoc Networks"

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Potential competing interests: No potential competing interests to declare.

The paper titled "Generative Artificial Intelligence Using Machine Learning on Wireless Ad Hoc Networks" explores an innovative approach to enhancing the performance of wireless Ad-Hoc networks by leveraging Generative Artificial Intelligence (GenAI). It proposes using generative neural networks to optimize the placement of access points, which could potentially improve network connectivity and reduce performance issues such as signal drop and blind spots.

The concept is promising and timely, given the increasing complexity and demand for efficient wireless network solutions. The use of machine learning techniques, specifically Multilayer Perceptron (MLP) and Radial Basis Function (RBF) networks, for modeling and predicting network performance is well-founded. These methods are known for their capabilities in pattern recognition and prediction, which are crucial for optimizing network design and operation.

However, the paper could benefit from additional details on the implementation and evaluation of the proposed methods. More information on the experimental setup, data used, and specific results would strengthen the discussion. Additionally, comparing the proposed approach with existing solutions could highlight its relative advantages and limitations more clearly.