Review of: "Quantum Network Communication Based on Voice-Control Technology"

Roberto P.L. Caporali

Potential competing interests: No potential competing interests to declare.

This paper defines an exploration of utilizing quantum entanglement and voice-control technology to establish a communication network involving both living and non-living bodies.

In this work, the idea of using the quantum entanglement effect to construct the network system for the interconnection and interworking between people and everything was proposed. Mainly, the construction of a universal network by the entanglement of quantum particles into the systems of human and non-living bodies was explored. The fundamental idea developed was that quantum, which has an entanglement state, does not only interact through magnetic fields but also generates quantum induction fields to produce quantum induction waves. Information is transmitted through resonance to realize communication between all things.

The research proposes a clearly innovative and interesting idea with a well-developed interdisciplinary approach. The possible practical applications are numerous and highly interesting.

However, it is clear that the paper sometimes lacks the definition of a comprehensive theoretical framework, and the implications of feasibility are not completely clear. In other words, as is logical in the current state of practical knowledge in the field of entanglement applications, the actual system that implements data transmission and decoding is not clearly defined. Despite this, the work appears to me to be promising, at least because it intends to define and open a path in the possible applications of quantum entanglement. To this end, in the same way of thinking, the author of this review has developed some works for the use of quantum entanglement in a field related to industrial automation. See the papers:

1. R. P. L. Caporali, “Quantum Motion Control for Packaging Machines,” International Journal of Nonlinear Sciences and Numerical Simulation, Aug. 9, 2021. Available at DOI: https://doi.org/10.1515/ijnsns-2021-0046.

2. R. P. L. Caporali, “Classical and Quantum Kalman Filter: An Application to an Under-actuated Nonlinear System as a Gantry Crane,” International Journal of Recent Engineering Research and Development, Volume 07 – Issue 04, April 2022, pp. 19-26.

I therefore consider the article presented to be of absolute interest, awaiting developments that allow us to clarify how to implement the system presented in practice. And this, let it be clear, also applies in parallel to the works I presented.