

Peer Review

Review of: "Physical AI Agents: Integrating Cognitive Intelligence with Real-World Action"

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The paper is interesting; however, I think it lacks current state-of-the-art analyses. I am missing the situation awareness definition and integration, as "Situational awareness is the ability to perceive, understand, and effectively respond to one's situation," which is highly similar to what the author stated within the abstract already (perception, cognition, and actuation).

Please check the paper from Prof. Endsley: DOI:[10.1016/j.chb.2022.107574](https://doi.org/10.1016/j.chb.2022.107574)

Also, my main concern is that this work is an extension of the author's previous works (two other papers); most of the statements in this work depend on these two papers, which is strange and hard to see the evidence.

Figure 2: I would like to suggest checking the digital twin approach, as it is the physical implementation of the connection between the cyber and physical worlds.

There are no results or any real use case; everything is conceptual.

Based on the references, it is clear that the current research papers were not carefully analyzed. It should be done.

Declarations

Potential competing interests: No potential competing interests to declare.