

# Review of: "Collaborative Intelligence: A scoping review of current applications"

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The article provides a well-written systematic review and empirical overview of collaborative human-AI systems, exploring their applications across various industries and sectors based on a comprehensive analysis of academic and grey literature from defined sources and timeframe. The authors effectively outline the defining characteristics of collaborative intelligence and the rationale behind its development for real-world use. The research objectives are clearly stated, aiming to identify existing applications of collaborative intelligence that meet these characteristics, while also examining their development, task types, human-AI roles, interactions, and benefits.

The authors employ a systematic review and meta-analysis methodology, accompanied by specific criteria for literature search and review outputs. Through their search of English-language academic and grey literature from January 2012 to December 2021, they identify 16 examples of AI applications that meet the criteria for collaborative intelligence. These applications are summarized, reported, and categorized based on their stage of development, collaborative channels, and sought benefits/outcomes of human-AI collaboration. The article concludes with a discussion and reflection on the technological feasibility, current constraints, and future directions of collaborative intelligence.

Overall, the paper's fluency in writing and clear structure make it easy to follow, engaging readers with practical examples and empirical insights into real-world applications. I enjoyed reading this article.

However, I would like to offer a few suggestions for improvement. While the authors acknowledge some limitations, such as relying solely on published English-language academic and grey literature from limited sources and the lack of detailed information on all identified applications, the study's main limitation lies in its timeframe, which spans from 2011 to 2021. This temporal constraint may result in a lag in capturing the latest developments and industry implementations fueled by General AI technology, such as ChatGPT. Expanding the study to include more recent years would provide readers with more up-to-date information on these advancements and real-world applications.

Furthermore, while the study primarily focuses on human-AI interactions and briefly touches on cyber-physical interactions, delving deeper into the realm of cyber-physical-and-human integration would be highly beneficial. Examining a human-centered, technology-mediated, and environment-minded approach would allow for a comprehensive exploration of joint optimization across evolving technological, social, and ecological systems.

In conclusion, I anticipate the authors' future expansion of this study and their continued exploration of this fascinating field. Thank you for presenting such interesting work, and I look forward to seeing more from them in the future!

