

PROSPECTS 5.0 Industry 5.0 Wiki

Did You Know Series

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Task	: Task 5.2
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Machines would have to possess the skills to observe a human counterpart's physical and mental state

Human-machine symbiosis framework for the future of collaborative manufacturing should consist of human-machine symbiosis (human centrality—the ability to focus on human desire and judgment), social wellness (the ability to detect and respond to human physical and mental performance in order to maximize human wellness) and adaptability (the ability to learn from the environment and change behaviour based on that learning).

Source: LU, Yuqian et al. Humans Are Not Machines—Anthropocentric Human-Machine Symbiosis for Ultra-Flexible Smart Manufacturing. *Engineering*. Elsevier, 2021, vol. 7, no. 6, pp. 734–737. ISSN 2095-8099. DOI: 10.1016/J.ENG.2020.09.018



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