

AI and Knowledge graphs for integrating cyber physical resources

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Abstract: AI is no more a theoretical Paradigm the increasing industrial competition required the broad masses of new methods and knowledge sources. More and more applications of AI and machine learning are finding their way into practice. The first way to reach best result is using multi-agent systems for personalized and individualized production operations in smart factories, we will also discusses knowledge graphs as a knowledge representation instrument for smart semantic search on error causes in production processes. Knowledge Graphs help to better understand complex tasks in the industry by integrating cyber physical resources, thus facilitating and optimizing the problem-solving process.

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