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Multi-agent job shop scheduling system based on co-operative approach of idle time minimisation

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66 Cite this article ⬈ https://doi.org/10.1080/00207543.2010.539276

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Abstract

In this paper, a distributed multi-agent scheduling system (MASS) based on co-operative approach is proposed to solve static and dynamic job shop scheduling problems (JSSP). The proposed system is composed of two kinds of agents, Supervisor agents and Resource agents. The Supervisor agent decomposes JSSP into interrelated sub-prob... pproach of local idle... the most difficult... e efficiency of MASS... onal results betw... s, is studied in term... lated within an illustr...

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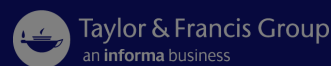
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