

# A Multicriteria Real Time Scheduling Approach for Flexible Manufacturing Systems (FMS).

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## **Resumo**

The complexity and highly dynamic behavior of FMS require real time scheduling to ensure high productivity and flexibility. A multicriteria approach for the context dependent use of Dispatching Rules (DR) is suggested, where context is established by the FMS status as well as user defined preferences regarding manufacturing criteria. Several steady states of a typical FMS were simulated to provide a data base with the performance of DR for the most common contexts. Results for a wide range of preferences show that this approach leads to better results than the steady use of a single DR.

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