ALC

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Abstract

State-of-the-art approaches to energy aware scheduling can be centralized or decentralized, predictive or reactive, and they can use methods ranging from optimal to heuristic. In this paper an agent-based distributed model is proposed for off-line scheduling in energy intensive manufacturing systems, by using a real industrial case, specifically manufacturing by injection moulding. A multi-objective scheduling problem requiring the minimization of the total job tardiness, total setup times and energy consumption is faced. The multi-agent approach is evaluated respect to its internal solving strategy (optimal or heuristic) and compared with a centralized approach. Advantages and drawbacks are pointed out for off-line energy-aware scheduling, giving useful reflection on how to face the field with new techniques.

Chapter 1

Introduction

Here you have only the put all the concept that could be presented in the work and then in the literature review you will illustrate different proposed solution to the exposed topics.

Chapter 2

Conclusion

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Bibliography