

## عنوان مقاله:

A Robust Model for a Dynamic Cellular Manufacturing System with Production Planning

## محل انتشار:

ماهنامه بین المللی مهندسی، دوره 27، شماره 4 (سال: 1393)

تعداد صفحات اصل مقاله: 12

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## خلاصه مقاله:

This paper develops a robust optimization approach for a dynamic cellular manufacturing system (DCMS) integrated with production planning under uncertainty of parts processing time. To deal with this uncertainty, a robust optimization as a tractable approach is adopted. The model includes cell formation, inter-cell layout and production planning concepts under a dynamic environment. The aim of the model is to minimize inter and intra-cell material handling, inventory holding, back order and reconfiguration costs. To verify the behavior of the presented model and the performance of the developed approach, a numerical example solved in finding an optimal solution.

## کلمات کلیدی:

Robust Optimization, Cell Formation, Inter-cell Design, Production Planning, Uncertainty

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/255083>

