عنوان فارسی مقاله:
یک مدل بهینه‌سازی قابل تنظیم نیرومند برای مساله زمانبندی پروژه‌ی با محدودیت منابع با طول مدت نامشخص فعالیت

عنوان انگلیسی مقاله:
An adjustable robust optimization model for the resource-constrained project scheduling problem with uncertain activity durations

توجه!
این فایل تنها قسمتی از ترجمه می‌باشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک نمایید.
7 Conclusions

In this paper we have studied the robust RCPSP under polyhedral uncertainty. To address this case, we have proposed an adjustable robust optimization approach, where resource allocation decisions are taken in advance, whereas the starting times can be adjusted to face uncertainty.

A specific decomposition algorithm has been designed. It isolates the resource allocation decisions from the scheduling decisions. The algorithm has been tested on a set of instances generated from the 30 activities de-terministic benchmark counterparts. The analysis of the collected results suggests that the algorithmic performance strongly depends on the model parameters. In particular, for $RF$ ranging from 0.5 to 1 and $RS = 0.2$, 0.5 most of the instances cannot be solved within the time limit of 20 minutes. On the other hand, the average computational effort for the solved instances is quite low.