

## Accepted Manuscript

An effective branch-and-price algorithm for the Preemptive Resource Constrained Project Scheduling Problem based on minimal Interval Order Enumeration

Aziz Moukrim, Alain Quilliot, H el ene Toussaint

PII: S0377-2217(14)01055-8  
DOI: [10.1016/j.ejor.2014.12.037](https://doi.org/10.1016/j.ejor.2014.12.037)  
Reference: EOR 12696



To appear in: *European Journal of Operational Research*

Received date: 26 October 2013  
Revised date: 21 October 2014  
Accepted date: 18 December 2014

Please cite this article as: Aziz Moukrim, Alain Quilliot, H el ene Toussaint, An effective branch-and-price algorithm for the Preemptive Resource Constrained Project Scheduling Problem based on minimal Interval Order Enumeration, *European Journal of Operational Research* (2015), doi: [10.1016/j.ejor.2014.12.037](https://doi.org/10.1016/j.ejor.2014.12.037)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- An effective branch-and-price algorithm (IOE) for the Preemptive Resource Constrained Project Scheduling Problem.
- A new branching mechanism based on interval orders.
- IOE is able to solve to optimality the entire set of J30, BL and Pack instances.
- We provide improved best-known lower bounds for 33 non-preemptive instances.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6896580>

Download Persian Version:

<https://daneshyari.com/article/6896580>

[Daneshyari.com](https://daneshyari.com)