

## Accepted Manuscript

A branch-and-price algorithm for the aperiodic multi-period service scheduling problem

Elena Fernández, Jörg Kalcsics, Cristina Núñez-del-Toro

PII: S0377-2217(17)30526-X  
DOI: [10.1016/j.ejor.2017.06.008](https://doi.org/10.1016/j.ejor.2017.06.008)  
Reference: EOR 14490



To appear in: *European Journal of Operational Research*

Received date: 6 June 2016  
Revised date: 1 June 2017  
Accepted date: 3 June 2017

Please cite this article as: Elena Fernández, Jörg Kalcsics, Cristina Núñez-del-Toro, A branch-and-price algorithm for the aperiodic multi-period service scheduling problem, *European Journal of Operational Research* (2017), doi: [10.1016/j.ejor.2017.06.008](https://doi.org/10.1016/j.ejor.2017.06.008)

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**

- Alternative integer programming formulations are proposed.
- An exact branch-and-price algorithm is presented.
- A polynomial time exact algorithm for the pricing problem is proposed.
- Features to improve the performance of the branch-and-price algorithm are included.
- Computational results underline the efficiency of the branch-and-price algorithm.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/4959341>

Download Persian Version:

<https://daneshyari.com/article/4959341>

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