## **Accepted Manuscript**

Multi-Train Trajectory Optimization for Energy-Efficient Timetabling

Pengling Wang, Rob M.P. Goverde

PII: \$0377-2217(18)30569-1 DOI: 10.1016/j.ejor.2018.06.034

Reference: EOR 15219

To appear in: European Journal of Operational Research

Received date: 27 November 2017

Revised date: 28 April 2018 Accepted date: 13 June 2018



Please cite this article as: Pengling Wang, Rob M.P. Goverde, Multi-Train Trajectory Optimization for Energy-Efficient Timetabling, *European Journal of Operational Research* (2018), doi: 10.1016/j.ejor.2018.06.034

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.

#### ACCEPTED MANUSCRIPT

### Highlights

- This paper optimizes the energy-efficiency of a timetable on corridors.
- ullet The method adjusts running time supplements while mantaining timetable feasibility.
- $\bullet$  A pseudospectral method is used to solve the problem.
- Energy savings of 7%-24% are obtained in two real-life Dutch railway cases.



### Download English Version:

# https://daneshyari.com/en/article/10225910

Download Persian Version:

https://daneshyari.com/article/10225910

<u>Daneshyari.com</u>