Accepted Manuscript

Title: Optimization of Steel Production Scheduling with

Complex Time-Sensitive Electricity Cost

Author: Hubert Hadera Iiro Harjunkoski Guido Sand Ignacio

E. Grossmann Sebastian Engell

PII: S0098-1354(15)00047-2

DOI: http://dx.doi.org/doi:10.1016/j.compchemeng.2015.02.004

Reference: CACE 5118

To appear in: Computers and Chemical Engineering

Received date: 19-11-2014 Revised date: 5-2-2015 Accepted date: 8-2-2015

Please cite this article as: Hadera, H., Harjunkoski, I., Sand, G., Grossmann, I. E., and Engell, S.,Optimization of Steel Production Scheduling with Complex Time-Sensitive Electricity Cost, *Computers and Chemical Engineering* (2015), http://dx.doi.org/10.1016/j.compchemeng.2015.02.004

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:

- Scheduling models can be extended with minimum-cost network flow for energy-cost optimization
- Monolithic formulation can be avoided with the bi-level heuristic algorithm
- Bi-level heuristic can solve industrial size problems

Download English Version:

https://daneshyari.com/en/article/6595422

Download Persian Version:

https://daneshyari.com/article/6595422

<u>Daneshyari.com</u>