

Hierarchical Approach for Short-Term Scheduling in Refineries. C. Luo and G. Rong*

Because of production errors, several corrections that were intended for this original paper were not published. These corrections are detailed below.

Page 3658. The author has added additional information at the end of paragraph 1 of section 3, "Optimization Model at the Upper Level". The end of this paragraph should now read as follows:

"...Supply orders or demand orders can be defined on the perimeters. The description of the flow sheet in Figure 2 is based on the works of Kelly^{14,15} and on a Honeywell Process Solutions product called "Honeywell Production Scheduler", and the modeling data are provided by a refinery of PetroChina where "Honeywell Production Scheduler" has been implemented. In addition, the methodology regarding how to build our model is also inspired by the contributions of Kelly.^{14–17}"

Page 3662. The author has added reference citations for the source of the terminology *fill-draw-delay*. (This appears approximately two paragraphs ahead of eq 32.) The sentence should be changed to the following:

"...For example, the *fill-draw-delay*^{15,16} constraint can be stated as the following: IF (*Tank1.state* = *FillEnd*) WAIT (1 h) THEN (*Tank.state* = *DrawBegin*)."

Page 3665. The author has acknowledged the contribution of PetroChina. The Acknowledgment now should read as follows:

"This research is supported by the National Natural Science Foundation of China (60421002). The authors also thank PetroChina, where the Honeywell Production Scheduler was used, for the valuable data regarding the optimization problem".

Page 3668. An author name is missing for ref 6. This reference should read as follows:

(6) Jia, Z.; Ierapetritou, M.; Kelly, J. D. Refinery short-term scheduling using continuous time formulation: crude-oil operations. *Ind. Eng. Chem. Res.* **2003**, *42*, 3085–3097.

In addition, the following references need to be added, to accompany the newly added text:

(14) Kelly, J. D. Production modeling for multimodal operations. *Chem. Eng. Progress* **2004**, *100*, 44–47.

(15) Kelly, J. D. Logistics: The missing link in blend scheduling optimization. *Hydrocarbon Process.* **2006**, *85*, 45–51.

(16) Kelly, J. D. Next-generation refinery scheduling technology. Available via the Internet at <http://www.dashopt.com/home/downloads/pdf/npra2003.pdf>.

(17) Kelly, J. D. On the formulation of petroleum and petrochemical planning optimization models. Available via the Internet at <http://www.dashopt.com/home/downloads/pdf/ofoppm2.pdf>.

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