Volume 207, Issue 2, 1 December 2010

CONTENTS

Invited Review

543 A survey of stochastic modelling approaches for liberalised electricity markets D. Möst and D. Keles

Discrete Optimization

The examination timetabling problem at Universiti Malaysia Pahang: Comparison of a constructive heuristic with an existing software solution

M.N.M. Kahar and G. Kendall

- A hybrid tabu search/branch & bound approach to solving the generalized assignment problem A.J. Woodcock and J.M. Wilson
- 579 A model for dynamic chance constraints in hydro power reservoir management L. Andrieu, R. Henrion and W. Römisch
- 590 Mathematical programming approaches for generating *p*-efficient points *M. Lejeune and N. Noyan*
- 601 "Product Partition" and related problems of scheduling and systems reliability: Computational complexity and approximation C.T. Ng, M.S. Barketau, T.C.E. Cheng and M.Y. Kovalyov
- 605 Complexity of single machine scheduling subject to nonnegative inventory constraints D. Briskorn, B.-C. Choi, K. Lee, J. Leung and M. Pinedo
- 620 Using modifications to Grover's Search algorithm for quantum global optimization Y. Liu and G.J. Koehler
- 633 Robust scheduling and robustness measures for the discrete time/cost trade-off problem Ö. Hazır, M. Haouari and E. Erel
- 644 MIP-based decomposition strategies for large-scale scheduling problems in multiproduct multistage batch plants: A benchmark scheduling problem of the pharmaceutical industry

 G.M. Kopanos, C.A. Méndez and L. Puigjaner

Production, Manufacturing and Logistics

On contracts for VMI program with continuous review (r,Q) policy

R. Guan and X. Zhao

- 668 Coordination of supply chains by option contracts: A cooperative game theory approach Y. Zhao, S. Wang, T.C.E. Cheng, X. Yang and Z. Huang
- 676 A hybrid macroscopic-based model for traffic flow in road networks J. McCrea and S. Moutari
- 685 Competitive analysis of the online inventory problem K.S. Larsen and S. Wøhlk
- 697 A dynamic model of supplier switching
- T. Pfeiffer
- 711 On range and response: Dimensions of process flexibility M.C. Chou, G.A. Chua and C.-P. Teo
- 725 Ensuring responsive capacity: How to contract with backup suppliers F.J. Sting and A. Huchzermeier
- 736 Joint ground and air emergency medical services coverage models: A greedy heuristic solution approach E.T. Erdemir, R. Batta, P.A. Rogerson, A. Blatt and M. Flanigan
- 750 Multi-source facility location–allocation and inventory problem Z. Yao, L.H. Lee, W. Jaruphongsa, V. Tan and C.F. Hui

Continued on last page of this issue



Instructions for Authors

For the submission of papers to the European Journal of Operational Research please consult the Guide for Authors at http://authors.elsevier.com/locate/ejor.

Contents continued from the outside back cover

- 763 Supplier-initiated outsourcing: A methodology to exploit synergy in transportation F. Cruijssen, P. Borm, H. Fleuren and H. Hamers
- 775 Optimal capacity for substitutable products under operational postponement E.K. Bish and R. Suwandechochai

Stochastics and Statistics

- 784 Model development in discrete-event simulation and system dynamics: An empirical study of expert modellers A.A. Tako and S. Robinson
- 795 The axiomatic approach to three values in games with coalition structure M. Gómez-Rúa and J. Vidal-Puga
- 807 Adaptive neural network model for time-series forecasting W.K. Wong, M. Xia and W.C. Chu
- An algorithm for computing the nucleolus of disjunctive non-negative additive games with an acyclic permission structure R. van den Brink, I. Katsev and G. van der Laan
- 827 A queueing model for general group screening policies and dynamic item arrivals D. Claeys, J. Walraevens, K. Laevens and H. Bruneel
- 836 Games on fuzzy communication structures with Choquet players

 A. Jiménez-Losada, J.R. Fernández, M. Ordóñez and M. Grabisch

Decision Support

- 848 Soft set theory and uni-int decision making
 - N. Çağman and S. Enginoğlu
- 856 BiLevel programming Data Envelopment Analysis with constrained resource D.D. Wu
- Making choices with a binary relation: Relative choice axioms and transitive closures R.-R. Joseph
- 878 Incentives and individual motivation in supervised work groups
- A. Dal Forno and U. Merlone

 886 Evidence-based modelling of strategic fit: An introduction to RCaRBS
- M.J. Beynon, R. Andrews and G.A. Boyne
 Channel coordination in a consignment contract
- D. Zhang, R. de Matta and T.J. Lowe

 906 A method for stochastic multiple criteria decision making based on pairwise comparisons of alternatives with random eva-
 - Z.-P. Fan, Y. Liu and B. Feng
- 916 E-DEA: Enhanced data envelopment analysis
 - M. Oral
- 927 Stochastic dominance and risk measure: A decision-theoretic foundation for VaR and C-VaR

 C. Ma and W.-K. Wong
- 936 Relative importance of criteria in multiobjective programming: A cone-based approach B.J. Hunt, M.M. Wiecek and C.S. Hughes
- 946 The effect of demand uncertainty in a price-setting newsvendor model M. Xu, Y. (Frank) Chen and X. Xu

Innovative Applications of O.R.

- 958 Integrated planning of transportation and recycling for multiple plants based on process simulation M. Fröhling, F. Schwaderer, H. Bartusch and O. Rentz
- 971 Evaluating business performance of wealth management banks C.-R. Wu, C.-T. Lin and P.-H. Tsai
- 980 Computing stable loads for pallets W. Kocjan and K. Holmström

Contents continued on previous page

(Contents continued from last page)

- 986 Managing an integrated production inventory system with information on the production and demand status and multiple non-unitary demand classes

 M. ElHafsi, H. Camus and E. Craye

 1002 An innovative approach for strategic capacity portfolio planning under uncertainties
- C.-H. Wu and Y.-T. Chuang

 1014 A column generation based heuristic for sensor placement, activity scheduling and data routing in wireless sensor networks
- 1027 Comparing frontier methods for economic–environmental trade-off analysis

 J. Van Meensel, L. Lauwers, G. Van Huylenbroeck and S. Van Passel

Y.B. Türkoğulları, N. Aras, İ. Kuban Altınel and C. Ersoy

- A hybrid heuristic algorithm for the open-pit-mining operational planning problem M.J.F. Souza, I.M. Coelho, S. Ribas, H.G. Santos and L.H.C. Merschmann
- 1052 Knowledge sharing in communities of practice: A game theoretic analysis Y.-M. Li and J.-H. Jhang-Li
- A new MIP model for mine equipment scheduling by minimizing maintenance cost E. Topal and S. Ramazan
 Robust and data-driven approaches to call centers
- 1072 Robust and data-driven approaches to call centers
 D. Bertsimas and X.V. Doan

 Shifting representation search for hybrid flexible flowline problems
- T. Urlings, R. Ruiz and T. Stützle

 Generalised soft binomial American real option pricing model (fuzzy–stochastic approach)
- Z. Zmeškal
 A distance friction minimization approach in data envelopment analysis: A comparative study on airport efficiency S. Suzuki, P. Nijkamp, P. Rietveld and E. Pels

Interfaces with Other Disciplines

- 1116 Efficiency analysis to incorporate interval-scale data
 A. Dehnokhalaji, P.J. Korhonen, M. Köksalan, N. Nasrabadi and J. Wallenius
- 1122 Network DEA: Additive efficiency decomposition W.D. Cook, J. Zhu, G. Bi and F. Yang
- An integer programming dynamic farm-household model to evaluate the impact of agricultural policy reforms on farm investment behaviour
 - D. Viaggi, M. Raggi and S. Gomez y Paloma

Short Communications

- 1140 Note on "A new bidirectional algorithm for shortest paths" W. Pijls and H. Post
- 1142 A note on single-machine scheduling with job-dependent learning effects

 C. Koulamas
- 1144 Preferences estimation without approximation

 M. Alghalith