

Publications and Reports of Houyuan Jiang

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- Houyuan Jiang, Z. Pang, and S. Savin, **Performance-based contracts for outpatient medical services**, Manufacturing & Service Operations Management, to appear.
- Houyuan Jiang, S. Nessine, and S. Savin, **Robust newsvendor competition under asymmetric information**, Operations Research 59-1 (2011) 254-261.
- Houyuan Jiang, Z. Pang, **Airline network capacity management competition**, Computational Optimization and Applications 50-2 (2011) 87-326.
- A.T. Ernst, H. Hamacher, Houyuan Jiang, M. Krishnamoorthy, and G. Woeginger, **Uncapacitated single and multiple allocation p-hub center problems**, Computers & Operations Research 36-7 (2009) 2230-2241.
- Houyuan Jiang and H. Xu, **Stochastic approximation approaches to the stochastic variational inequality problem**, IEEE Transactions on Automatic Control 53-6 (2008) 1462-1475.
- Houyuan Jiang, **A Lagrangian relaxation approach for network inventory control of stochastic revenue management with perishable commodities**, Journal of the Operational Research Society 59 (2008) 372-380.
- M. Horn, Houyuan Jiang, and P. Kilby, **Scheduling boats and crews for the Australian Patrol Boat Force**, Journal of the Operational Research Society 58 (2007) 1284-1293.
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- Houyuan Jiang, **Some recent advances of Operations Research practice**, Journal of Guizhou University 18 (2001) 42-60.
- A. Fischer and Houyuan Jiang, **Merit functions for complementarity and related problems: A survey**, Computational Optimization and Applications 17 (2000) 159-182.
- Houyuan Jiang and D. Ralph, **Smooth SQP methods for mathematical programs with nonlinear complementarity constraints**, SIAM Journal on Optimization 10 (2000) 779-808.
- Houyuan Jiang, **Global convergence analysis of the generalized Newton and Gauss-Newton methods of the Fischer-Burmeister equation for the complementarity problem**, Mathematics of Operations Research 24 (1999) 529-543.
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- Houyuan Jiang, L. Lam, B. Owens, D. Sier and M. Westcott, **Predicting emergency department status**, The Proceedings of ICOTA6, Australia, 2004.
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- A. Ernst, Houyuan Jiang and M. Krishnamoorthy, **Mathematical programming approaches for solving task allocation problems**, The proceedings of the 16th Australian Society for Operations Research, Adelaide, September, 2001 (11 pages).
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- Houyuan Jiang, P. Kilby and M. Westcott, **Making the most from your market**, The proceedings of the 16th Australian Society for Operations Research, Adelaide, September, 2001 (9 pages).
- A.T. Ernst, Houyuan Jiang, M. Krishnamoorthy, H. Nott and D. Sier, **An optimisation approach to train crew rostering**, The proceedings of the 15th Australian Society for Operations Research, Gold Coast, July, 1999, pp. 437-452.
- P. Welgama and Houyuan Jiang, **Simulation modelling of a hybrid electric vehicle**, The proceedings of the 15th Australian Society for Operations Research, Gold Coast, July, 1999, pp. 1376-1389.
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- H. Jiang, D. Sier and M. Westcott, **Forecasting emergency department patients arrivals**, CSIRO Technical Report, CMIS 2003/145, 2003.
- M. Horn, H. Jiang and P. Kilby, **Scheduling the Australian Patrol Boat Force**, CSIRO Technical Report, CMIS 2003/169, 2003.
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- G. Williams, D. Vickers, H. Jiang, H. He, S. Hawkins and C. Kelman, **Health care costs associated with general practitioner and hospital care by national health priority areas**, CSIRO Technical Report, CMIS 03/116, 2003.
- L. Gu, H. He, H. Jiang and G. Williams, **GP workforce model extension: Scope and requirements**, CSIRO Technical Report, CMIS 03/39, 2003.
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- H. Jiang, D. Prager and M. Westcott, **ACIL gas model specification**, CSIRO Technical Report, CMIS 01/33, 2001.
- H. Jiang and M. Westcott, **Report on demand modelling workshop with NSW police service**, CSIRO Technical Report, CMIS 01/141, 2001.
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- H. Jiang, **Smoothed Fischer-Burmeister equation methods for the complementarity problem**, Manuscript, Department of Mathematics and Statistics, The University of Melbourne, June, 2007.