

Curriculum Vitae



NAME: Tao ZHANG **SEX:** Male
BIRTH DATE AND PLACE: Oct., 1970, P. R. China

EDUCATION

- PhD (Apr. 1997 ~ Mar. 2000) major in Systems Engineering from Northeastern University, P. R. China.
- MSc (Sept. 1994 ~ Mar. 1997) major in Automation Control in Industry from Northeastern University, P. R. China.
- BSc (Sept. 1988 ~ Jul. 1992) major in Automation Control in Industry from Northeastern University, P. R. China.

EXPERIENCE

- Dec. 2003 ~ Present, associate professor, associate dean of School of Information Management and Engineering, Shanghai University of Finance and Economics, P. R. China.
- Sept. 2001 ~ Nov. 2003, ERP consultant, HAND Enterprise Solutions Co., Ltd. P. R. China.
- Jun. 2000 ~ May 2003, Postdoctoral Fellow, School of Management, Fudan University, P. R. China.
- Sept. 1992 ~ Aug. 1994, ZhengZhou Steel Factory, HeNan, P. R. China.

TEACHING

- ERP theory and implementation
- E-commerce management

RESEARCH INTERESTS

- Production Planning and Scheduling
- Vehicle Routing Problem, VRP
- Supply Chain Management and Logistics
- Intelligent Optimizing Model and Algorithms

RESEARCH FUNDS & PROJECTS

- **Research on flexible ordering planning of mixed process manufacturing industry based on MTO, Project supported by National Natural Science Foundation of China(70501018), project leader, Jan.2006~Dec.2008**
- Research on the key technologies for the advanced planning and scheduling faced to ERP, Subject Research on '211 Project' of Shanghai University of Finance and Economics, **project leader**, Apr.2004~Mar.2006
- Research on the key technologies for planning management system of steel plants, Subject Research on '211 Project' of Shanghai University of Finance and Economics, **project leader**, Apr.2004~Mar.2006
- 'Enterprise Resource Planning' course development, Teaching Subject of Shanghai University of Finance and Economics, **project leader**, Jan.2007~Dec.2007

- Research on establishment and management modelling of reused work flow of online e-Government, Key Subject Research on '211 Project' of Shanghai University of Finance and Economics(8011040506), main participant, July.2005~Dec.2006
- Requirement analysis, system design and implementation for the manufacturing management system of Shanghai Shikoku Food Packaging Machinery Co., Ltd, main participant, 2003 finished
- Research on the theories of manufacturing scheduling in the dynamic environment, Project supported by National Natural Science Foundation of China(79700006), main participant, 2000 finished
- Research on key technologies of the integrated management and control for steel industry, China Key Science Program in the national 9th five-year plan(97-562-01-07), main participant, 1999 finished
- Research on integrated manufacturing plan/method for Management of steelmaking, conticasting and hot-rolling, 863 project sponsored by P.R. China(863-511-709), main participant, 1999 finished
- MIS design for Ma Anshan Steel Plant, Demonstrated project of computer-added system for steel industry groups, main participant, 1998 finished

JOURNAL & CONFERENCE EDITORSHIPS

- Main leader of the organization committee, Member of programming board, *The International Conference on Management Innovation (ICMI2007)*
- Associate reviewer, *The 6th IEEE International Conference on Industrial Informatics (INDIN2008)*
- Associate reviewer, *The International Symposium on Information Systems & Management (ISM2007)*
- Associate reviewer, *The International Conference on Machine Learning and Cybernetics (ICMLC)*.
- Specialist for reviewer, *National Natural and Scientific Funds of China*
- Associate reviewer, *Journal of System Simulation (in Chinese)*

JOURNAL PUBLICATIONS

1. An Ant Colony System for the Vehicle Routing Problem with Simultaneous Delivery and Pick-up. (Working paper)
2. Tao Zhang, Yue-Jie Zhang, Shi-Xin Liu, A Mixed Integer Programming Model and Improved Genetic Algorithm for Order Planning of Iron-Steel Plants, *International Journal of Information and Management Science* (to appear in Sept. 2008)
3. Tao Zhang, Wen-Xin Tian, Yue-Jie Zhang, Shi-Xin Liu, the Improved Ant Colony Algorithm for the VRPSPD with Maximum Distance Constraint, *System Engineering Theory & Practice*, 3(4):132-140, 2008. (in Chinese)
4. Tao Zhang, Shan-shan Wang, Yue-Jie Zhang, Shi-Xin Liu The Model and Improved Ant Colony Optimization for the VRPTW with Re-used Vehicles, *System Engineer*, 25(4): 20-26, 2007. (in Chinese)
5. Tao Zhang, Yue-Jie Zhang, Yang Liu, Shi-xin Liu, Research on the hot-milling batch planning with uncertain lot number, *Intelligent Information Management Systems and Technologies*, 2(2):302-311, 2006.
6. Tao Zhang, Xian Chen, Yue-Jie Zhang, Reserch of bullwhip effect under a three-level supply chain environment through demand curve, *Intelligent Information Management Systems and Technologies*, 2(3): 413-421, 2006.
7. Tao Zhang, Yuejie Zhang. Research on Model and Algorithm for the UMVRP, *Intelligent Information Management Systems and Technologies*, 1(1): 123-129, 2005.
8. Tao Zhang, Meng-guang Wang, ect., Order planning modelling and algorithms for steel plant, *Control Theory & Applications*, 17(5):711-715, 2000.(EI indexed:01015501174) (in Chinese)
9. Tao Zhang, Meng-guang Wang, ect., The model and algorithm for the hot-milling batch planning with uncertain number, *Journal of Systems Engineering*, 15(1):54-60, 2000. (in Chinese)
10. Tao Zhang, Meng-guang Wang, ect., Order planning modelling for MTO management system, *Control and Decision*, 15(6): 649-653, 2000.(EI indexed:01035572516) (in Chinese)

- 11.Tao Zhang, Meng-guang Wang, ect., Solving Vehicle Routing Problem with Capacity Restriction by Combining Genetic Algorithm and 3-opt, Journal of Northeastern University(Natural Science), Vol.20(3):254-256, 1999. (EI indexed:99074714737) (in Chinese)
- 12.Tao Zhang, Meng-guang Wang, ect., Model and Hybrid Algorithm for Vehicle Routing Problem with Uncertain Vehicle Number, Systems Engineering —Theory Methodology Applications ,11(2):121-124, 2002.
- 13.Tao Zhang, ect., The Economic Operation Management Systems of the YuanBaoShan Thermal Power Plant, Automation of Electric Power Systems, (6): 180-184, 1998. (EI indexed: 98094379620) (in Chinese)

CONFERENCE//PROCEEDINGS

- 14.Tao Zhang, Wen-xin Tian, Yue-jie Zhang, Xue-chao Zheng. RLC_ACS: An improved ant colony algorithm for VRPSDP, Proceedings of the Sixth International Conference on Machine Learning and Cybernetics, pp. 978-983, 2007. (EI indexed: 080311017233)
- 15.Zhang Tao, Cheng Haigang, Chu Xiaoxuan, Xie Meiping. The Method Based on the PSO Algorithm for the Order Planning of the Steel Plant, Proceedings of the Sixth International Conference on Management, Vol. 1, pp.281-288, August 3-5, 2007, Wuhan, P.R.China.
- 16.Tao Zhang, Chuoya Yu, Yuejie Zhang, Wenxin Tian. Ant Colony System Based on the ASRank and MMAS for the VRPSDP, Proceedings of the International Conference on Wireless Communications, Networking and Mobile Computing, Vol. 5, pp.3728-3731, Sept. 21-25, 2007, Shanghai, P.R.China. (EI indexed: 080311028074)
- 17.Tao Zhang, Jing Tian, Yongguang Zhong. Analysis of the bullwhip effect phenomenon based on principal-agent theory, Proceedings of the Sixth World Congress on Intelligent Control and Automation, pp.7176-7180, 2006. (EI indexed:071510543877)
- 18.Tao Zhang, Jing Tian, Yue-Jie Zhang, Xian Chen. The cause and countermeasure of the bullwhip effect explained in the economics, Proceedings of the Fifth International Conference on Machine Learning and Cybernetics, pp.2554-2559, 2006. (EI indexed:071210502513)
- 19.Tao Zhang, Shanshan Wang, Wenxin Tian, Yuejie Zhang. ACO-VRPTWRV: A new algorithm for the vehicle routing problems with time windows and re-used vehicles based on ant colony optimization, the Sixth International Conference on Intelligent System Design and Applications, pp.390-395, 2006. (EI indexed: 073210746269)
- 20.Tao Zhang, Yuejie Zhang, Yang Liu. Research of the method for the order planning of the iron-steel factory based on the MTO management architecture, International Technology and Innovation Conference, pp.44-49, 2006. (EI indexed: 072610669119)
- 21.Tao Zhang, Yuejie Zhang, Mengguang Wang. Research on 3mo-based Genetic algorithm for solving Order Planning, Proceedings of the Fourth International Conference on Machine Learning and Cybernetics, pp.3650-3655, 2005. (EI indexed: 05509539364)

CONTACT ADDRESS

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