

## 五、論文著述：

### A.期刊論文

1. Wang, I.-L., E.L. Johnson, J.S. Sokol, 2005, A multiple pairs shortest path algorithm, *Transportation Science*, 39(4), pp. 465-476. **【SCI/SSCI】**  
[IF= 1.270; RF= 7/60 in Operations Research & Management Science Category;  
RF= 5/22 in Transportation Science & Technology Category, checked on 2007.10.22]  
(NSC92-2213-E006-094)
2. Sheu, R.L., M.J. Ting, I.-L. Wang, 2006 Aug., Maximum flow problem in the distribution network, *Journal of Industrial and Management Optimization*, 2(3), pp. 237-254. **【SCI】**  
[IF= 0.488; RF= 42/60 in Operations Research & Management Science Category; checked on 2007.10.22]
3. Wang, I.-L., W.-C. Yang, 2007 Apr., Fast Heuristics for Designing Integrated E-Waste Reverse Logistics Networks, *IEEE Transactions on Electronics Packaging Manufacturing*, 30(2), pp. 147-154. **【SCI】**  
[IF=1.000; RF=7/37 in Engineering, Manufacturing Category, checked on 2007.10.22]  
(NSC92-2213-E-006-094)
4. Wang, I.-L., 2007, Distributing Small Packages in Metropolitan Area by Motorcycle Courier Services, *International Journal of Integrated Supply Management*, (accepted on Jan., 2007; to appear in 4(1), 2008.)  
(NSC93-2213-E-006-096)
5. Wang, I.-L., 2007, On solving shortest paths with a least-squares primal-dual algorithm, *Asia-Pacific Journal of Operational Research*, submitted in 2005.08.12, revised in 2007.02.25, accepted in 2007.07.17.(SCI)  
[IF=0.375; RF=51/60 in Operations Research & Management Science Category, checked on 2007.10.22]  
(NSC93-2213-E-006-096)

### B.研討會論文

#### B.1. 國外之國際研討會

1. Wang, I.-L., 2002 May, “New Multiple Pairs Shortest Paths Algorithms”, *SIAM Conference on Optimization*, Toronto, Canada. (Session Chair)
2. Wang, I.-L., 2002 November, “New Multiple Pairs Shortest Paths Algorithms,” *INFORMS annual meeting*, San Jose, U.S.A.
3. Wang, I.-L., 2005 July, “Solving Multiple Pairs Shortest Paths by LU Decomposition: New Algorithm and Computational Evaluation”, *Proceedings of the First International Conference on Transportation Logistics (TLOG) 2005*, Singapore. (Session Chair; International Program Committee)  
(NSC92-2213-E006-094)
4. Wang, I.-L., 2007 Apr., On solving the minimum distribution cost problem, *Workshop on*

*Advances in Optimization*, Tokyo, Japan.  
(NSC95-2221-E-006-268)

## B.2. 國內之國際研討會

1. Wang, I.-L., J.-C. Lin, 2005 June, “Solving Maximum Flows on Distribution Networks: Network Compaction and Algorithm”, *Proceedings of the 10<sup>th</sup> Annual Conference of the Asia-Pacific Decision Science Institute (APDSI) 2005*, Taipei, Taiwan. (Session Chair)  
(NSC93-2213-E-006-096)
2. Wang, I.-L. and Y.-H. Yang, 2005 November, “Uncapacitated minimum cost flow problems in a distribution network”, *Proceedings of the 11<sup>th</sup> Asia Pacific Management Conference (APMC) 2005*, Tainan, Taiwan.  
(NSC93-2213-E-006-096)
3. Wang, I.-L., Y.-R. Yu, 2006 May, “Distributing Small Packages in Metropolitan Area - A Case Study on a Motorcycle Courier System”, *Proceedings of the International Congress on Logistics and SCM Systems (ICLS) 2006*, Kaohsiung, Taiwan.  
(NSC93-2213-E-006-096)
4. Wang, I.-L., W.-C. Yang, 2006 May, “Fast Heuristics for a Reverse Logistics Network Design Problem”, *Proceedings of the International Congress on Logistics and SCM Systems (ICLS) 2006*, Kaohsiung, Taiwan.  
(NSC93-2213-E-006-096)
5. S.-J. Lin, Wang, I.-L., 2006 Jun, “A modified network simplex algorithm for solving the minimum distribution cost problem”, *Proceedings of the the 36th International Conference on Computers and Industrial Engineering (CIE) 2006*, Taipei, Taiwan.  
(NSC93-2213-E-006-096)
6. Wang, I.-L., H.-E. Yang, 2006 Oct, “Computational experiments on algorithms for haplotype inference problems by pure parsimony”, *Proceedings of the 9th Joint Conference on Information Sciences (JCIS) 2006*, pp. 824-827. **[EI]**, Kaohsiung, Taiwan. (Session Chair)  
(NSC93-2213-E-006-096; NSC95-2221-E-006-268)
7. Wang, I.-L., C.-T. Dai, 2007 Jul., Mining changes of patterns from multi-period datasets, *Proceedings of the 9th International Conference on Global Business And Technology Association (GBATA) 2007*, Taipei, Taiwan.  
(NSC95-2221-E-006-268)
8. Wang, I.-L., M. J.-J. Wang, 2007 Dec., A Timetable-based Algorithm for Personal Trip Planning in a Metropolitan Area, *Proceedings of the 8th Asia Pacific Industrial Engineering & Management System (APEMS) 2007*, Kaohsiung, Taiwan.  
(NSC96-2221-E-006-015)
9. Wang, I.-L., C.-N. Chen, 2007 Dec., Reliability and Network Compaction for Multi-state Capacitated Manufacturing Networks, *Proceedings of the 8th Asia Pacific Industrial Engineering & Management System (APEMS) 2007*, Kaohsiung, Taiwan.  
(NSC96-2221-E-006-015)

### B.3. 國內之大型研討會

1. Wang, I.-L., W.-C. Yang, J.-T. Tseng, 2005 December, “On Solving a Facility Location and Design Problem in Reverse Logistics Networks”, *Proceedings of the Chinese Institute of Industrial Engineering (CIIE) 2005 Annual Conference*, Taiwan.  
(NSC93-2213-E-006-096)
2. Wang, I.-L., 2005 November, “A Primal-Dual Method for the Multicommodity Network Flows”, *Proceedings of the 2nd Annual Conference of the Operations Research Society at Taiwan (ORSTW) 2005*, Taiwan.  
(NSC93-2213-E-006-096)
3. Wang, I.-L., C.-Y. Chang, 2006 November, “Mathematical properties and models for haplotyping populations by pure parsimony”, *Proceedings of the 3rd Annual Conference of the Operations Research Society at Taiwan (ORSTW) 2006*, Chung-Li, Taiwan.  
(NSC95-2221-E-006-268)
4. Wang, I.-L., C.-H. Chang, Y.-T. Chen, Y.-C. Kang, 2006 November, “A least-squares dual-primal algorithm for the maximum flow problem”, *Proceedings of the 3rd Annual Conference of the Operations Research Society at Taiwan (ORSTW) 2006*, Chung-Li, Taiwan.  
(NSC95-2221-E-006-268)
5. 張良豪, 張呈維, 彭政宏, 林芸蔓, 王逸琳, 2006 December, “都會區機車快遞之物流系統模擬研究”, *Proceedings of the Chinese Institute of Industrial Engineering (CIIE) 2006 Annual Conference*, Taichung, Taiwan.  
(NSC95-2221-E-006-268)
6. Wang, I.-L., T.-Y. Liu, 2007 October, “Competition of Motorcycle Courier Networks in a Metropolitan Area”, *Proceedings of the 4th Annual Conference of the Operations Research Society at Taiwan (ORSTW) 2007*, Hua-Lian, Taiwan.  
(NSC96-2221-E-006-015)
7. Wang, I.-L., C.-Y. Ma, 2007 October, “On the Selection of More Informative TagSNPs Based on Linkage Disequilibrium”, *Proceedings of the 4th Annual Conference of the Operations Research Society at Taiwan (ORSTW) 2007*, Hua-Lian, Taiwan.  
(NSC96-2221-E-006-015)

### C. 專書及專書論文

1. I.-L. Wang, 2003 May, “Shortest Paths and Multicommodity Network Flows,” *Ph.D. Thesis*, ISyE, Georgia Institute of Technology, Atlanta, U.S.A.