

Curriculum Vitae

Dar-Li Yang

Professor and Chair in Information Management
National Formosa University

Education

Ph.D., Industrial Engineering, National Tsing Hua University, Taiwan, 1994/06
M.S., Applied Mathematics, National Chung Hsing University, Taiwan, 1989/06
B.S., Mathematics, National Cheng Kung University, Taiwan, 1987/06

Contact Information

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Fields of Research

Operation Research, Production Scheduling, Data Mining.

Courses Taught

Data Mining (an elective course for graduates), Customer relationship management (an elective course for graduates), Supply Chain Management (an elective course for graduates) and Data Mining (an elective course for undergraduate).

Awards

1997-1998, 2000-2001, Grade A Research Awards, National Science Council (NSC), Taiwan, (not offered by NSC anymore since 2002)
1997-2011, National Science Council Grants

Appointments

2009/08 - present, Chair, Department of Information Management, National Formosa University, Taiwan
2006/02 - 2008/07, Dean, Office of Academic Affairs, National Formosa University, Taiwan
2004/08 - 2006/01, Secretary General, Secretariat Office, National Formosa University, Taiwan
2002/09 - 2004/07, Director, Library, National Formosa University, Taiwan

Professional Engagement

- Referee, Computers & Operations Research, Computers & Industrial Engineering, European Journal of Operational Research, International Journal of Production Economics, International Journal of Operational Research, Naval Research Logistics, INFOR, Applied Mathematical Modelling, Computers and Mathematics with Applications, Journal of Applied Mathematics and Computing, Information

Processing Letters, Discrete Optimization, Information Sciences, Engineering Optimization, Mathematical and Computer Modelling, 4OR - A Quarterly Journal of Operations Research, International Journal of Systems Science, Journal of Zhejiang University- Science A, International Journal of Information and Management Sciences, Optimization Letters, Applied Mathematics and Computation, Mathematical Problems in Engineering, Asia-Pacific Journal of Operational Research, Journal of the Operational Research Society, IEEE Trans. on Systems, Man, and Cybernetics, Part A, Annals of Operations Research, International Journal of Production Research.

- Referee for National Science Council Grants
- Referee for
 - promotion to Professor, Yu Da University, Taiwan
 - promotion to Associate Professor, St. John's University, Taiwan
 - promotion to Assistant Professor, Chihlee Institute of Technology, Taiwan
- Membership, Chinese Society of Information Management, Chinese Institute of Industrial Engineers
- Member of Phi Tau Phi Honor Society, National Tsing Hua University, Taiwan Chapter

Grants (Past Five Years)

National Science Council

- NSC-99-2221-E-150-034-MY2, A study on the parallel-machine scheduling problems with maintenance activities, \$NT: 1,029,000, 2010/08/01~2012/07/31.
- NSC-97-2221-E-150-056-MY2, A study on some single-machine scheduling problems simultaneous with deteriorating and learning effects, \$NT: 1,01,000, 2008/08-2010/07.
- NSC-96-2221-E-150-059-, A study on a single-machine scheduling problem with the cyclic process of an aging effect, \$NT: 389,000, 2007/08-2008/07.
- NSC-95-2221-E-150-050-, A study on the parallel machine scheduling problems with time dependent processing times, \$NT: 506,000, 2006/08-2007/07.

Publications

- [1] Min Ji, Chou-Jung Hsu and Dar-Li Yang (2011). Single-machine scheduling with deteriorating jobs and aging effects under an optional maintenance activity consideration. *Journal of Combinatorial Optimization* (Accepted).
- [2] Dar-Li Yang, T.C.E. Cheng, Suh-Jenq Yang and Chou-Jung Hsu (2011). Unrelated parallel-machine scheduling with aging effects and multi-maintenance activities. *Computers and Operations Research* (Accepted).
- [3] Wen-Hung Kuo, Chou-Jung Hsu and Dar-Li Yang (2011). Worst-case and numerical analysis of heuristic algorithms for flowshop scheduling problems with a time-dependent leaning effect. *Information Sciences* (Accepted).
- [4] Suh-Jenq Yang, Chou-Jung Hsu and Dar-Li Yang (2011). Single-machine scheduling and slack due-date assignment with aging effect and deteriorating maintenance. *Optimization Letters* (Accepted).
- [5] Dar-Li Yang and Wen-Hung Kuo (2011). Scheduling with deteriorating jobs and learning effects. *Applied Mathematics and Computation* (Accepted).
- [6] Chou-Jung Hsu, T.C.E. Cheng and Dar-Li Yang (2011). Unrelated parallel-machine scheduling with rate-modifying activities to minimize the total completion time. *Information Sciences* (Accepted).
- [7] Chuan-Li Zhao, Chou-Jung Hsu and Dar-Li Yang (2011). Considerations of single-machine scheduling

with deteriorating jobs. *Applied Mathematical Modelling* (Accepted).

- [8] Wen-Hung Kuo, Chou-Jung Hsu and Dar-Li Yang (2011). Some unrelated parallel machine scheduling problems with past-sequence-dependent setup time and learning effects. *Computers and Industrial Engineering* (Accepted).
- [9] Chou-Jung Hsu, Suh-Jenq Yang and Dar-Li Yang (2011). Two due date assignment problems with position-dependent processing time on a single-machine. *Computers and Industrial Engineering* (Accepted).
- [10] Suh-Jenq Yang, Chou-Jung Hsu, Teng-Ruey Chang and Dar-Li Yang (2011). Single-machine scheduling with past-sequence-dependent delivery times and learning effect. *Journal of the Chinese Institute of Industrial Engineers* (Accepted).
- [11] T.C.E. Cheng, Chou-Jung Hsu and Dar-Li Yang (2011). Unrelated parallel-machine scheduling with deteriorating maintenance activities. *Computers and Industrial Engineering* 60, 602-605.
- [12] Ji-Bo Wang, Dar-Li Yang and Chou-Jung Hsu (2011). Single-machine scheduling to minimize absolute value in maximum lateness with deteriorating jobs. *Advanced Materials Research* 201-203, 1054-1060.
- [13] Suh-Jenq Yang and Dar-Li Yang (2011). Single-machine scheduling simultaneous with position-based and sum-of-processing-times-based learning considerations under group technology assumption. *Applied Mathematical Modelling* 35, 2068-2074.
- [14] Chou-Jung Hsu, Wen-Hung Kuo and Dar-Li Yang (2011). Unrelated parallel machine scheduling with past-sequence-dependent setup time and learning effects. *Applied Mathematical Modelling* 35, 1492-1496.
- [15] Suh-Jenq Yang and Dar-Li Yang (2012). Single-machine scheduling problems simultaneous with deteriorating and learning effects under a deteriorating maintenance consideration. A chapter in the book "*Just-in-Time Systems*" Roger Z. Ríos-Mercado and Yasmín A. Ríos-Solís, editors. Volume 60 of Series on Optimization and Its Applications. Springer, 1st edition.
- [16] Chou-Jung Hsu, Suh-Jenq Yang and Dar-Li Yang (2011). Due-date assignment and optional maintenance activity scheduling problem with linear deteriorating jobs. *Journal of Marine Science and Technology* 19, 97-100.
- [17] Wen-Hung Kuo and Dar-Li Yang (2011). A note on due date assignment and single-machine scheduling with deteriorating jobs and learning effects. *Journal of the Operational Research Society* 62, 206-210.
- [18] T.C.E. Cheng, Suh-Jenq Yang and Dar-Li Yang (2010) Common due-window assignment and scheduling of linear time-dependent deteriorating jobs and a deteriorating maintenance activity. *International Journal of Production Economics* (Accepted).
- [19] Wen-Hung Kuo and Dar-Li Yang (2010). Single-machine scheduling with deteriorating jobs. *International Journal of Systems Science* (Accepted).
- [20] Suh-Jenq Yang and Dar-Li Yang (2010). Single-machine scheduling problems with aging effect under an optional maintenance activity consideration. *INFOR* 48, 171-179.
- [21] Suh-Jenq Yang and Dar-Li Yang (2010). Note on "A note on single-machine group scheduling problems with position-based learning effect". *Applied Mathematical Modelling* 34, 4306-4308.
- [22] Suh-Jenq Yang and Dar-Li Yang (2010). Minimizing total completion time in single-machine scheduling with aging/deteriorating effects and deteriorating maintenance activities. *Computers and Mathematics with Applications* 60, 2161-2169.
- [23] Suh-Jenq Yang, Chou-Jung Hsu and Dar-Li Yang (2010). Parallel-machine scheduling with setup and removal times under consideration of the learning effect. *Journal of the Chinese Institute of Industrial*

Engineers 27, 372-378.

- [24] Wen-Hung Kuo and Dar-Li Yang (2010). Note on "Single-machine and flowshop scheduling with a general learning effect model" and "Some single-machine and m-machine flowshop scheduling problems with learning considerations". *Information Sciences* 180, 3814-3816.
- [25] Suh-Jenq Yang, Chou-Jung Hsu and Dar-Li Yang (2010). Single-machine scheduling with due-date assignment and aging effect under a deteriorating maintenance activity consideration. *International Journal of Information and Management Sciences* 21, 177-195.
- [26] Suh-Jenq Yang and Dar-Li Yang (2010). Single-machine group scheduling problems under the effects of deterioration and learning. *Computers and Industrial Engineering* 58, 754-758.
- [27] Suh-Jenq Yang and Dar-Li Yang (2010). Minimizing the makespan on single-machine scheduling with aging effect and variable maintenance activities. *Omega* 38, 528-533.
- [28] Wen-Hung Kuo and Dar-Li Yang (2010). Erratum on machine scheduling with a general learning effect. *Mathematical and Computer Modelling* 51, 847-849.
- [29] Suh-Jenq Yang, Dar-Li Yang and T.C.E. Cheng (2010). Single-machine due-window assignment and scheduling with job-dependent aging effects and deteriorating maintenance. *Computers and Operations Research* 37, 1510-1514.
- [30] Wen-Hung Kuo and Dar-Li Yang (2010). Viewpoint on Single-machine with a sum-of-actual-processing-time-based learning effect. *Journal of the Operational Research Society* 61, 352-355.
- [31] Dar-Li Yang and Wen-Hung Kuo (2010). Some scheduling problems with deteriorating jobs and learning effects. *Computers and Industrial Engineering* 58, 25-28.
- [32] Dar-Li Yang and Wen-Hung Kuo (2009). Single-machine scheduling with both deterioration and learning effects. *Annals of Operations Research* 172, 315-327.
- [33] Dar-Li Yang and Wen-Hung Kuo (2009). A single-machine scheduling problem with learning effects in intermittent batch production. *Computers and Industrial Engineering* 57, 762-765.
- [34] Ling-Huey Su, Dar-Li Yang and Hou-Kuan Chou (2009). A two-stage flowshop scheduling with limited buffer storage. *Asia-Pacific Journal of Operations Research* 26, 503-522.
- [35] Wen-Hung Kuo, Chou-Jung Hsu and Dar-Li Yang (2009). A note on unrelated parallel machine scheduling with time dependent processing times. *Journal of the Operational Research Society* 60, 431- 434.
- [36] Wen-Hung Kuo and Dar-Li Yang (2008). Parallel machine scheduling with time dependent processing times. *Theoretical Computer Science* 393, Issues 1-3, 204-210.
- [37] Wen-Hung Kuo and Dar-Li Yang (2008). A note on due-date assignment and single machine scheduling with deteriorating jobs. *Journal of the Operational Research Society* 59, 857- 859.
- [38] Wen-Hung Kuo and Dar-Li Yang (2008). Minimizing the makespan in a single-machine scheduling problem with the cyclic process of an aging effect. *Journal of the Operational Research Society* 59, 416-420.
- [39] Dar-Li Yang, Wen-Hung Kuo and Maw-Sheng Chern (2008). Multi-family scheduling in a two-machine reentrant flow shop with setups. *European Journal of Operational Research* 187, No.3, 1160-1170.
- [40] Dar-Li Yang, Chou-Jung Hsu and Wen-Hung Kuo (2008). A two-machine flowshop scheduling problem with a separated maintenance constraint. *Computers and Operations Research* 35, No.3, 876-883.
- [41] Dar-Li Yang and Wen-Hung Kuo (2007). Single-machine scheduling with an actual time-dependent learning effect. *Journal of the Operational Research Society* 58, 1348 - 1353.
- [42] Wen-Hung Kuo and Dar-Li Yang (2007). Single-machine scheduling problems with the time-dependent

learning effect. *Computers and Mathematics with Applications* 53, No.11, 1733-1739.

- [43] Wen-Hung Kuo and Dar-Li Yang (2007). Single-machine scheduling problems with start-time dependent processing time. *Computers and Mathematics with Applications* 53, No.11, 1658-1664.
- [44] Wen-Hung Kuo and Dar-Li Yang (2007). Single machine scheduling with past-sequence-dependent setup times and learning effects. *Information Processing Letters* 102, No.1, 22-26.
- [45] Chou-Jung Hsu, Wen-Hung Kuo, Dar-Li Yang and Maw-Sheng Chern (2006). Minimizing the makespan in a two-stage flowshop scheduling problem with a function constraint on alternative machines. *Journal of Marine Science and Technology* 14, No.4, 213-217.
- [46] Wen-Hung Kuo and Dar-Li Yang (2006). Minimizing the makespan in a single machine scheduling problem with a time-based learning effect. *Information Processing Letters* 97, No.2, 64-67.
- [47] Wen-Hung Kuo and Dar-Li Yang (2006). Minimizing the total completion time in a single machine scheduling problem with a time-dependent learning effect. *European Journal of Operational Research* 174, No.2, 1184-1190.
- [48] Wen-Hung Kuo and Dar-Li Yang (2006). Single-machine group scheduling with a time-dependent learning effect. *Computers and Operations Research* 33, No.8, 2099-2112.
- [49] Chih-Hsiung Wang, Dar-Li Yang, Tai-Hsi Wu, Wen-Hung Kuo and Neng-Hui Shih (2004). Impact of inspection errors on the lot size problem. *Journal of Information and Optimization Science* 25, No.2, 331-348.
- [50] Dar-Li Yang, Ching-Lien Hung, Chou-Jung Hsu and Maw-Sheng Chern (2002). Minimizing the makespan in a single machine scheduling problem with a flexible maintenance. *Journal of the Chinese Institute of Industrial Engineers* 19, No.1, 63-66.
- [51] Dar-Li Yang, Maw-Sheng Chern and Jung-Te Wang (2001). A two-machine multi-family flowshop scheduling problem with batch processing. *International Journal of Industrial Engineering* 8, No.4, 289-298.
- [52] Maw-Sheng Chern, Dar-Li Yang and Jung-Te Wang (2001). A two-stage multi-family flowshop scheduling problem with two batch processors. *Journal of the Chinese Institute of Industrial Engineers* 18, No.3, 77-85.
- [53] Dar-Li Yang and Maw-Sheng Chern (2000). Two-machine flowshop group scheduling problem. *Computers and Operations Research* 27, 975-985.
- [54] Dar-Li Yang and Maw-Sheng Chern (1999). A generalized two-machine flowshop scheduling problem with processing time linearly dependent on job waiting-time. *Computers and Industrial Engineering* 36, 365-378.
- [55] Dar-Li Yang, Maw-Sheng Chern* and Jung-Te Wang (1998). A two-machine multi-family flowshop batch processing scheduling problem with the total completion time case. *International Journal of Operations and Quantitative Management* 4, 315-325.
- [56] Dar-Li Yang and Maw-Sheng Chern (1997). A scheduling problem with reprocessing operations - a case study. *Journal of Management* 14, 135-154.
- [57] Maw-Sheng Chern and Dar-Li Yang (1995). A branch-and-bound algorithm for the two-machine sequencing problem with reprocessing operations. *Journal of the Chinese Institute of Industrial Engineers* 12, 55-61.
- [58] Dar-Li Yang and Maw-Sheng Chern (1995). A two-machine flowshop sequencing problem with limited waiting time constraints. *Computers and Industrial Engineering* 28, 63-70.