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Education

- Ph.D., Department of Industrial Engineering, National Tsing Hua University, Taiwan, R.O.C., 1993/05
- M.S., Department of Industrial Engineering, National Tsing Hua University, Taiwan, R.O.C., 1986/05

Area of Specialty

- Fuzzy Sets and Systems, Combinatorial Optimization, Mathematical Programming, Project Management

Academic Experience

- Associate Professor, Department of Industrial Management and Information, Southern Taiwan University of Science and Technology, 2016/08 to present
- Associate Professor, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2002/02 to 2016/07
- Associate Professor, Department of Industrial Management, Southern Taiwan University of Science and Technology, 1994/08 to 2002/01

Publications

Journal Papers

1. Lin, K.-C., W.-H. Tseng, H.-Y. Chang, and J.-L. Wang (2020), "Suppliers selection using possibilistic data envelopment analysis and clustering analysis," *Management Information Computing*, 9 (S2), 87 – 100.
2. Tseng, W.-H., C.-L. Chyu and K.-C. Lin (2020), "Risk management of air force missile completion inspection - a case study of sidewinder missile," *Management Information Computing*, 9 (S1), 64 – 74.
3. Lin, K.-C., W.-H. Tseng, K.-N. Deng (2020), "The possibility distribution of minimum spanning tree in a network with fuzzy arc weights," *Management Information Computing*, 9 (S1), 40 – 52.
4. Tseng, W.-H., C.-L. Chyu and K.-C. Lin (2019), "A study of line balancing problem -- a case study of PSA line," *Management Information Computing*, 8 (S2), 73 – 82.
5. Lin, K.-C., W.-H. Tseng, K.-N. Deng, and H.-S. Hsu (2019), "Solving possibilistic minimum spanning tree problems by using expected value models," *Management Information Computing*, 8 (S2), 37 – 50.
6. Lin, K.-C., W.-H. Tseng, H.-Y. Chang, and J.-L. Wang (2019), "Green suppliers selection using data envelopment analysis and clustering analysis," *Management Information Computing*, 8 (S1), 146 – 155.
7. Tseng, W.-H., C.-L. Chyu and K.-C. Lin (2019), "Risk management of aircraft avionics equipment fault maintenance -- a case study of air force Tainan airport," *Management Information Computing*, 8 (S1), 114 – 125.
8. Lin, K.-C., C.-C. Tsai, C.-F. Chen, and C.-H. Chiu (2019), "Constructing a vehicle routes planning system for an animal feed plant," *Management Information Computing*, 8 (S1), 75 – 89.
9. Tseng, W.-H., C.-L. Chyu, S.-L. Chen, and K.-C. Lin (2018), "A Simulation Study of CONWIP Supply Chain System," *Management Information Computing*, 7 (S2), 188 – 199.

10. Lin, K.-C., J.-R. Ding, Y.-H. Su, and Y.-H. Zhuang (2018), "On the Analysis of Performance Appraisal using Linguistic Variables," *Management Information Computing*, 7 (S2), 159 – 172.
11. Lin, K.-C., W.-H. Tseng and C.-H. Lin (2018), "A Comparative Study on Similarity Measures for Fuzzy Sets," *Management Information Computing*, 7 (S2), 107 – 116.
12. Tseng, W.-H., S.-L. Chen, C.-L. Chyu, K.-C. Lin, and S.-W. Shen (2018), "Risk Management of Fighter Radio Fault Maintenance -- A Case Study of an Air Force Airport," *Management Information Computing*, 7 (S1), 204 – 216.
13. Lin, K.-C., W.-H. Tseng, C.-F. Chen, and C.-C. Tsai (2018), "A Hybrid Genetic Algorithm for the Multi-Compartments Vehicle routing problem," *Management Information Computing*, 7 (S1), 126 – 136.
14. Tseng, W.-H., C.-L. Chyu, K.-C. Lin, and Y.-C. Hung (2017), "Risk management of army artillery firing training – a case study of southern field artillery," *Management Information Computing*, 6 (S4), 99 – 113.
15. Lin, K.-C., W.-H. Tseng and W.-L. Chien (2017), "On buffer sizing techniques in critical chain scheduling," *Management Information Computing*, 6 (S3), 164 – 175.
16. Lin, K.-C., W.-H. Tseng, C.-L. Chyu, and H.-S. Hsu (2017), "Solving possibilistic minimum spanning tree problems by using chance-constrained models," *Management Information Computing*, 6 (S2), 82 – 95.
17. Lin, K.-C., W.-H. Tseng, C.-F. Chen, and C.-C. Tsai (2017), "A cluster-first route-second heuristic for the multi-compartments vehicle routing problem," *Management Information Computing*, 6 (S1), 149 – 160.
18. Lin, K.-C., S.-L. Chen, W.-H. Tseng, G.-T. Huang, and Y.-H. Su (2016), "Convex sum and fuzzy decision tree analysis," *Management Information Computing*, 5 (S4), 197 - 210.
19. Lin, K.-C., S.-L. Chen, W.-H. Tseng, and H.-S. Hsu (2016), "On the single most vital arc of possibilistic minimum spanning tree problems," *Management Information Computing*, 5 (S4), 157 - 170.
20. Tseng, W.-H., K.-C. Lin, C.-L. Chyu, S.-L. Chen, and I.-C. Lin (2016), "A simulation study of raising hit rate for LED chip foundry," *Management Information Computing*, 5 (S4), 46 - 58.
21. Tseng, W.-H., S.-L. Chen, K.-C. Lin, C.-L. Chyu, and J.-J. Wang (2016), "A simulation study of multiloop CONWIP pull production systems with bottleneck," *Management Information Computing*, 5 (S4), 32 - 45.
22. Chern, M.-S. and K.-C. Lin (1995), "Interdicting the activities of a linear program - a parametric analysis," *European Journal of Operational Research*, 86 (3), 580 - 591. [SCI]
23. Lin, K.-C. and M.-S. Chern (1994), "The single most vital arc in the most economical path problem - a parametric analysis," *Computers & Operations Research*, 21 (3), 353 - 358. [SCI]
24. Lin, K.-C. and M.-S. Chern (1993), "The most vital edges in the minimum spanning tree problem," *Information Processing Letters*, 45 (1), 25 - 31. [SCI]
25. Lin, K.-C. and M.-S. Chern (1993), "The fuzzy shortest path problem and its most vital arcs," *Fuzzy Sets and Systems*, 58 (3), 343 - 353. [SCI]
26. Lin, K.-C. and M.-S. Chern (1993), "Increasing the minimum value of a linear program - a parametric analysis," *Journal of Management*, 10 (2), 245 - 259. [TSSCI]
27. Chern, M.-S., K.-C. Lin and C.-C. Chern (1991), "A heuristic algorithm for the deterministic multi-product inventory system with capacity constraint," *Journal of the Operations Research Society of Japan*, 34 (1), 1 - 12. [SCI]

Conference Papers

1. Tseng, W.-H., K.-C. Lin and P.-L. Peng (2020), "Research on risk management of military aircraft escape seat maintenance - a case study of an air force airport," *Proceedings of 2020 Conference on Management Thinking and Practice & Applied Science*, Taipei, Taiwan, R.O.C. (In Chinese)
2. Tseng, W.-H., K.-C. Lin and J.-S. Wu (2020), "Research on risk management of military aircraft generator failure maintenance - a case study of Tainan airport," *Proceedings of 2020*

- Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
3. Tseng, W.-H., K.-C. Lin and P.-T. Yang (2020), "Risk management of fighter integrated color display system failure maintenance - a case study of an air force airport," Proceedings of 2020 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
 4. Lin, K.-C., W.-H. Tseng, H.-Y. Chang, and J.-L. Wang (2020), "Suppliers selection using possibilistic data envelopment analysis," Proceedings of 2020 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
 5. Tseng, W.-H., K.-C. Lin and W.-X. Li (2020), "Research on risk management of air force ammunition storage - a case study of an air force airport," Proceedings of 2020 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 6. Tseng, W.-H., K.-C. Lin and C.-H. Huang (2020), "Risk management of air force missile completion inspection - a case study of sidewinder missile," Proceedings of 2020 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 7. Tseng, W.-H., K.-C. Lin and D.-H. Wu (2020), "Research on risk management of military helicopter maintenance - a case study of army attack helicopter stage inspection," Proceedings of 2020 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 8. Lin, K.-C., W.-H. Tseng, K.-N. Deng (2020), "Finding the distribution of minimum spanning tree in a network with possibilistic arc weights," Proceedings of 2020 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 9. Lin, K.-C., W.-H. Tseng, H.-Y. Chang, and J.-L. Wang (2019), "Suppliers selection using data envelopment analysis and clustering analysis," Proceedings of 2019 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
 10. Lin, K.-C., C.-C. Tsai, C.-F. Chen, and C.-H. Chiu (2019), "Designing a vehicle routes planning system for an animal feed plant," Proceedings of 2019 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 11. Lin, K.-C., W.-H. Tseng, K.-N. Deng, and H.-S. Hsu (2019), "Solving possibilistic minimum spanning tree problems using expected value models," Proceedings of 2019 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 12. Tseng, W.-H., K.-C. Lin and Y.-C. Kao (2019), "Risk management of military aircraft engine maintenance -- a case study of Pingtung airport," Proceedings of 2019 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 13. Tseng, W.-H., K.-C. Lin and T.-Y. Hsiao (2019), "Risk management of light weapon transportation -- a case study of Tainan airport," Proceedings of 2019 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 14. Tseng, W.-H., K.-C. Lin and S.-Y. Chen (2019), "A case study of line balancing -- PSA line," Proceedings of 2019 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 15. Tseng, W.-H., K.-C. Lin and F.-M. Shu (2019), "Risk management of aircraft avionics equipment fault maintenance -- a case study of air force Tainan airport," Proceedings of 2019 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese).
 16. Tseng, W.-H., K.-C. Lin and Z.-Y. Wu (2018), "A Simulation Study of CONWIP Supply Chain System," Proceedings of 2018 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
 17. Tseng, W.-H., K.-C. Lin and C.-C. Tsai (2018), "Risk Management of Fighting Aircraft Landing Gear Maintenance -- A Case Study of IDF Fighter in Tainan," Proceedings of 2018 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
 18. Tseng, W.-H., K.-C. Lin and S.-W. Shen (2018), "Fighter Radio Fault Maintenance Risk Management -- A Case Study of an Air Force Airport," Proceedings of 2018 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)

19. Lin, K.-C., J.-R. Ding, Y.-H. Su, and Y.-H. Zhuang (2018), "On the Analysis of Performance Appraisal using Linguistic Variables," Proceedings of 2018 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
20. W.-H. Tseng, K.-C. Lin and B.-C. Li (2018), "Research on Risk Management of Air Force Ammunition—A Case Study of Tainan Airport," Proceedings of 2018 Conference on Innovation Management and Information Practice, Miaoli County, Taiwan, R.O.C. (In Chinese).
21. Lin, K.-C., W.-H. Tseng and C.-H. Lin (2018), "On the Properties of Similarity Measures for Fuzzy Sets," Proceedings of 2018 Conference on Innovation Management and Information Practice, Miaoli County, Taiwan, R.O.C. (In Chinese).
22. Lin, K.-C., W.-H. Tseng, C.-F. Chen, and C.-C. Tsai (2018), "A Hybrid Genetic Algorithm for the Multi-Compartments Vehicle routing problem," Proceedings of 2018 Conference on Innovation Management and Information Practice, Miaoli County, Taiwan, R.O.C. (In Chinese).
23. Lin, K.-C. (2018), "Finding a Single Most Augmenting Arc in a Planar Network with Fuzzy Arc Capacities," Proceedings of 2018 Symposium on Global Business Operation and Management, Kaohsiung, Taiwan, R.O.C. (In Chinese).
24. Tseng, W.-H., C.-L. Chyu, K.-C. Lin, and Y.-C. Hung (2017), "Risk management of army artillery firing training - a case study of southern field artillery," Proceedings of 2017 Conference on Corporate Culture & Business Development, Kaohsiung, Taiwan, R.O.C. (In Chinese)
25. Lin, K.-C., W.-H. Tseng and W.-L. Chien (2017), "On buffer sizing techniques in critical chain scheduling," Proceedings of 2017 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
26. Lin, K.-C., W.-H. Tseng, C.-F. Chen, and C.-C. Tsai (2017), "A heuristic algorithm for the multi-compartments vehicle routing problem," Proceedings of 2017 Conference on Management Thinking and Practice & Applied Science, Taipei, Taiwan, R.O.C. (In Chinese)
27. Lin, K.-C., W.-H. Tseng, C.-L. Chyu, and H.-S. Hsu (2017), "Solving possibilistic minimum spanning tree problems by using chance-constrained models," Proceedings of 2017 Conference on Innovation Management and Information Practice, Miaoli County, Taiwan, R.O.C. (In Chinese)
28. Tseng, W.-H., K.-C. Lin and C.-Y. Huang (2017), "Risk management of fighting aircraft canopy maintenance - a case study of IDF fighter," Proceedings of 2017 Conference on Innovation Management and Information Practice, Miaoli County, Taiwan, R.O.C. (In Chinese)
29. Tseng, W.-H., K.-C. Lin and C.-H. Huang (2017), "Risk management for military helicopter maintenance - a case study of army helicopter phased maintenance inspection," Proceedings of 2017 Conference on Innovation Management and Information Practice, Miaoli County, Taiwan, R.O.C. (In Chinese)
30. Lin, K.-C., W.-H. Tseng, C.-F. Chen, and C.-C. Tsai (2016), "Solving the multi- compartments vehicle routing problem by using genetic searching," Proceedings of the Conference on Industrial Management and Information Application Innovation, Tainan, Taiwan, R.O.C., 28 - 34. (In Chinese)
31. Lin, K.-C. and C.-C. Lai (2016), "Using fuzzy mathematical programming for project portfolio selection," Proceedings of the 17th Conference of Sustainable development management, Pingtung, Taiwan, R.O.C. (In Chinese)
32. Lin, K.-C., W.-H. Tseng, Y.-H. Su and G.-T. Huang (2016), "On the model and analysis of fuzzy decision tree," Proceedings of the 13th Conference of Service Management & Innovation, Tainan, Taiwan, R.O.C. (In Chinese)
33. Lin, K.-C., W.-H. Tseng, Y.-H. Su and G.-T. Huang (2016), "A study on fuzzy decision tree," Proceedings of 2016 Symposium on Global Business Operation and Management, Kaohsiung, Taiwan, R.O.C. (In Chinese)
34. Lin, K.-C., C.-C. Tsai, C.-F. Chen, and C.-H. Chiu (2014), "Designing a vehicle routes planning system for an animal feed plant," Proceedings of the Conference on Industrial Management and Information Application Innovation, Tainan, Taiwan, R.O.C., 174 - 180. (In Chinese)
35. Lin, K.-C., W.-H. Tseng and C.-H. Lin (2014), "A comparative study on similarity measures,"

- Proceedings of the Conference on Industrial Management and Information Application Innovation, Tainan, Taiwan, R.O.C., 225 - 231. (In Chinese)
36. Lin, K.-C., W.-H. Tseng and H.-S. Hsu (2014), "Finding a single most vital arc in the possibilistic minimum spanning tree problem when the user's decision-making model is unknown," Proceedings of the Conference on Industrial Management and Information Application Innovation, Tainan, Taiwan, R.O.C., 460 - 466. (In Chinese)
 37. Lin, K.-C., W.-H. Tseng and H.-S. Hsu (2014), "Finding a single most vital arc in the expected value model for the possibilistic minimum spanning tree problem," Proceedings of the Conference on Industrial Management and Information Application Innovation, Tainan, Taiwan, R.O.C., 453 - 459. (In Chinese)
 38. Lin, K.-C., G.-T. Huang and W.-H. Tseng (2013), "A fuzzy weights normalization method with minimal information loss," Proceedings of the Conference on Industrial Management and Information Application Innovation, Tainan, Taiwan, R.O.C., 700 - 707. (In Chinese)
 39. Lin, K.-C., W.-H. Tseng, S.-Y. Chang, and T.-L. Wang (2013), "Selecting green suppliers using possibilistic data envelopment analysis and clustering analysis," Proceedings of the Conference on Industrial Management and Information Applications Innovation, Tainan, Taiwan, R.O.C., 154 - 164. (In Chinese)
 40. Lin, K.-C. and others (2013), "Selecting suppliers using data envelopment analysis," Proceedings of the 3rd Conference on Management and Business, Tainan, Taiwan, R.O.C. (In Chinese)
 41. Lin, K.-C. and others (2013), "Selecting green suppliers using data envelopment analysis," Proceedings of the 5rd Conference on Management and Decision-Making, Chia-yi City, Taiwan, R.O.C. (In Chinese)
 42. Lin, K.-C., G.-T. Huang and C.-C. Lai (2012), "Finding fuzzy weights in fuzzy analytic hierarchy process by using logarithm least squares method," Proceedings of the CIIE Annual Conference, Taiwan, R.O.C. (In Chinese)
 43. Lin, K.-C., C.-C. Lai and G.-T. Huang (2012), "Finding fuzzy weights in fuzzy analytic hierarchy process by using goal programming method," Proceedings of the 20th National Conference on Fuzzy Theory and Its Applications, 82 - 87. (In Chinese)
 44. Lin, K.-C. and C.-C. Lai (2010), "Using AHP/ANP and fuzzy mathematical programming for project portfolio selection," Proceedings of the CIIE Annual Conference, Taiwan, R.O.C. (In Chinese)
 45. Lin, K.-C., H.-R. Liao and H.-H. Jheng (2010), "Theoretical and experimental comparisons on AHP judgment matrix analysis methods," Proceedings of the CIIE Annual Conference, Taiwan, R.O.C. (In Chinese)
 46. Lin, K.-C., H.-H. Jheng and C.-C. Lai (2009), "Analyzing AHP judgment matrices using fuzzy relations and statistical regression," Proceedings of the 17th National Conference on Fuzzy Theory and Its Applications, 443 - 450. (In Chinese)
 47. Lin, K.-C. and H.-S. Hsu (2009), "Possibilistic chance-constrained models for the minimum spanning tree problem with fuzzy edge-weights," Proceedings of the 17th National Conference on Fuzzy Theory and Its Applications, 1187 - 1194. (In Chinese)
 48. Lin, K.-C., K.-N. Deng and H.-S. Hsu (2008), "Expected value models for the minimum spanning tree problem with fuzzy edge-weights," Proceedings of the 16th National Conference on Fuzzy Theory and Its Applications, 1 - 6. (In Chinese)
 49. Lin, K.-C. and J.-Y. Lee (2007), "Time analysis of project networks with fuzzy durations in the setting of possibility theory," Proceedings of APIEMS & CIIE 2007 Conference, Kaohsiung, Taiwan, R.O.C., Paper No: 352.
 50. Lin, K.-C., C.-F. Chen and C.-C. Tsai (2006), "Solving multi-compartments vehicle routing problems by genetic search," Proceedings of the 4th Conference on Industrial Management and Innovation, 151 - 160. (In Chinese)
 51. Lin, K.-C. (2006), "Finding a single most augmenting arc in a planar flow network with ill-known arc capacities," Proceedings of the 14th National Conference on Fuzzy Theory and Its Applications.
 52. Lin, K.-C. and K.-N. Deng (2006), "Finding the possibilistic distribution of the minimum spanning

- tree in a network with fuzzy weights," Proceedings of the 14th National Conference on Fuzzy Theory and Its Applications. (In Chinese)
53. Lin, K.-C. and Y.-T. Yung (2006), "Using the network simplex method in the time analysis of a project with fuzzy durations," Proceedings of the 14th National Conference on Fuzzy Theory and Its Applications. (In Chinese)
 54. Lin, K.-C., C.-C. Tsai, C.-F. Chen, and C.-H. Chiu (2006), "Designing a multi- compartments vehicle routes planning system," Proceedings of the 21st Annual Conference of the Chinese Institute of Transportation. (In Chinese)
 55. Lin, K.-C., C.-F. Chen and C.-C. Tsai (2006), "A cluster-first route-second heuristic for the multi- compartments vehicle routing problem," Proceedings of the CIIE Annual Conference, Taiwan, R.O.C. (In Chinese)
 56. Lin, K.-C., C.-F. Chen and C.-C. Tsai (2006), "A hybrid genetic algorithm for the multi- compartments vehicle routing problem," Proceedings of the CIIE Annual Conference, Taiwan, R.O.C. (In Chinese)
 57. Lin, K.-C. and C.-H. Lin (2004), "A comparative study on similarity measures (I)," Proceedings of the 5th Conference on the Theory and Practices of E-Businesses Management. (In Chinese)
 58. Lin, K.-C. and C.-H. Lin (2004), "A comparative study on similarity measures (II)," Proceedings of the 5th Conference on the Theory and Practices of E-Businesses Management. (In Chinese)
 59. Lin, K.-C. and J.-Y. Lee (2004), "Activity criticality of project networks with fuzzy durations," Proceedings of the CIIE Annual Conference, Taiwan, R.O.C. (In Chinese)
 60. Lin, K.-C. (2001), "Solving parametric linear programs by -augmenting approach," Proceedings of the 16th National Conference on Technology and Vocational Education, Industrial Engineering, 269 - 278.
 61. Lin, K.-C. (1998), "Finding a single most augmenting arc in a fuzzy flow network," Proceedings of the 13th National Conference on Technology and Vocational Education, Industry VI, 201 - 210.
 62. Lin, K.-C. and M.-S. Chern (1993), "Fuzzy network problems and the most vital arcs," Proceedings of CIIE National Conference, Taiwan, R.O.C., 366 - 372.
 63. Lin, K.-C. and M.-S. Chern (1992), "Finding the most vital arc in the shortest path problem with fuzzy arc lengths," Proceedings of the Tenth International Conference on Multiple Criteria Decision Making, Vol. 2, 1 - 10.
 64. Lin, K.-C. and M.-S. Chern (1992), "Interdicting the activities of a linear program – a parametric analysis," Proceedings of CIIE National Conference, Taiwan, R.O.C., 52 - 57.
 65. Lin, K.-C. and M.-S. Chern (1991), "The single most vital arc in the most economical path problem – a parametric analysis," Proceedings of CIIE National Conference, Taiwan, R.O.C., 61 - 68.
 66. Chen, C.-C., M.-S. Chern and K.-C. Lin (1987), "Capacitated multiple products inventory system," Proceedings of CIIE National Conference, Taiwan, R.O.C., 347 - 361.

Dissertation

- Lin, K.-C. (1993), "Most Vital Edges and Interdiction Problems of Network Systems," Ph.D. Dissertation, Department of Industrial Engineering, National Tsing-Hua University, Hsinchu, Taiwan, R.O.C.
- Lin, K.-C. (1986), "Capacitated Multiple Products Inventory Systems," M.S. Thesis, Department of Industrial Engineering, National Tsing-Hua University, Hsinchu, Taiwan, R.O.C.

Books

1. Chen, C.-C., M.-S. Chern and K.-C. Lin (1988), "Capacitated multiple products inventory system," Recent Development in Production Research (Editor: Anil Mital), 194 - 199, Elsevier Science Publishers B.V., Amsterdam.
2. Lin, K.-C. and M.-S. Chern (1993), "Finding the most vital arc in the shortest path problem with fuzzy arc lengths," Multiple Criteria Decision Making: Expand and Enrich the Domains of Thinking and Application (Editors: G.-H. Tzeng, H.-F. Wang, U.-P. Wen and P.L. Yu), 159 - 168,

Professional Certifications

Professional Experience

Grants

1. National Science Council, No: NSC-94-2213-E-218-011, "Models and Algorithms for Project Networks with Fuzzy Activity Durations," 2005/8 - 2006/7.
2. National Science Council, No: NSC-93-2213-E-218-029, "A Comparative Study on Similarity Measures for Fuzzy Sets," 2004/8 - 2005/7.
3. National Science Council, No: NSC-92-2213-E-218-015, "A Study on Dual Flow Network Models with Applications (II)," 2003/8 - 2004/7.
4. National Science Council, No: NSC-91-2213-E-218-028, "A Study on Dual Flow Network Models with Applications (I)," 2002/8 - 2003/7.
5. National Science Council, No: NSC-90-2218-E-218-007, "Network Programming in a Fuzzy Environment," 2001/8 - 2002/7.
6. National Science Council, No: NSC-90-2213-E-218-031, "A Study on Fuzzy Linear Programming and its Applications," 2000/8 - 2001/7.
7. National Science Council, No: NSC-89-2213-E-218-009, "A Study on the Stock-Cutting Problem and its Applications," 1999/8 - 2000/7.
8. National Science Council, No: NSC-86-2213-E-218-002, "Solving Bilinear Programs with Network Structure," 1996/8 - 1997/7.
9. National Science Council, No: NSC-85-2213-E-218-002, "Solving Large-Scale Parametric Linear Programs by ϵ -Augmenting Approach," 1995/8 - 1996/7.

Entrusted Practical Projects

1. Lin, K.-C. and C.-L. Chyu (2016), "Process and Quality Improvement for Lumber Core Plywood Production," Contract No: 311050301. (Hsuehchia Wood Co., Ltd., 2016/07/01~2016/12/31)
2. Chyu, C.-L. and K.-C. Lin (2013), "The Order Quantities Decision with Uncertain Demand," Contract No: 311020458. (Da-Li Company, 2013/12/10~2014/4/10)
3. Lin, K.-C. (2011), "Constructing the Supplier Selection System and the Inventory Control System," Contract No: 311000110. (Feng-Chan Company, 2011/12/01~ 2012/05/31)
4. Lin, K.-C. (2004), "Designing a Multi-Compartments Vehicle Routes Planning System," funded by the Uni-President Enterprise Cooperation, 2004/8 - 2005/7.

Honors and Awards

1. Superior Teaching Award of College of Business, 2010, Southern Taiwan University.
2. Superior Teaching Award of College of Business, 2009, Southern Taiwan University.
3. Excellent Project Award, 2006, Uni-President Enterprise Cooperation.
4. First Kind Research Award, 1996, National Science Council.
5. First Kind Research Award, 1995, National Science Council.

Patents