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Education

- PhD, Department of Industrial Engineering , University of Texas at Arlington, Texas, U.S.A., 1993/6
- Master, Department of Industrial Engineering, University of Texas at Arlington, Texas, U.S.A., 1990/1

Area of Specialty

- Operational Research
- Fuzzy Multiple Criteria Decision Making

Academic Experience

- Professor, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2002/8 to present
- Chairperson, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2010/8 to 2016/7
- Professor, Department of Industrial Management, Southern Taiwan University of Science and Technology, 2002/2 to 2002/7
- Associate Professor, Department of Industrial Management, Southern Taiwan University of Science and Technology, 1993/8 to 2002/1

Publications

Journal Papers:

1. T.-C Chu and W.-C Hsu (2016), Evaluating Distribution Centers via a Maximizing Set and Minimizing Set Based Fuzzy MCDM Approach, *Journal of Business and Economics*, Vol.7, No.1, 73-85.
2. T.-C Chu (2015), Solving fuzzy MCDM by subtracting benefit criteria from cost criteria, *Universal Journal of Management*, Vol.3, No.8, 337-345.
3. T.-C Chu and P. Charnsethikul (2013), Ordering Alternatives under Fuzzy Multiple Criteria Decision Making via a Fuzzy Number Dominance Based Ranking Approach, International Journal of Fuzzy Systems, Vol.15, No.3, 263-273. (**SCI**)
4. T.-C. Chu (2013), A Mean of Removals based Fuzzy MCDM Method for the

Evaluation and Selection of Suppliers, *International Journal of Management & Enterprise Development*, Vol.12, No.4-6, 349-362. (**Scopus**)

5. T.-C. Chu and H.C. Pham (2012), Evaluating e-Commerce Strategies by a Fuzzy TOPSIS Method, *International Journal of Commerce and Strategy*, Vol.4, No.3, 173-188.

6. T.-C. Chu and R. Varma (2012), Evaluating Suppliers via a Multiple Levels Multiple Criteria Decision Making Method under Uncertain Environment, *Computers & Industrial Engineering*, Vol.62, No.2, 653-660. (**SCI**)

7. T.-C. Chu and D.J.D. Calubad (2012), Evaluating Real Estates Using a Fuzzy MCDM Approach, *International Journal of Business and Systems Research*, Vol.6, No.4, 395-412.

8. T.-C. Chu and R.H. Lin (2011), Evaluating Suppliers via a Total Integral Value based Fuzzy MCDM Approach, *Asia Pacific Management Review*, Vol.16, No.4, 521-534. (**TSSCI**)

9. T.-C. Chu and C. Santiwatthana (2011), A New Approach to Solving Fuzzy Weighted Average Model, *Journal of Statistics & Management Systems*, Vol.14, No.5, 915-934. (**EI**)

10. T.-C. Chu and C.C. Chen (2011), Application of a Fuzzy MCDM Method to the Evaluation and Operating Systems of Smart Phone, *Journal of Information and Optimization Sciences*, Vol.32 No.5, 1065-1080. (**EI**)

Conference Papers:

1. T.-C. Chu, C.-H. Chen, Y.-T. Lin and H.T. Nguyen (2016), A Relative Maximizing Set and Minimizing Set Method under Fuzzy Multiple Criteria Decision Making to Selecting Distribution Centers, Proceedings of 2016 Industrial Management and Information Application Innovations Conference, pp.14-20, November 21, Tainan, Taiwan.

2. C.-H. Chen and T.-C. Chu (2016), The Determination of Product and Process Parameters Based on Specified Process Capability Index C_{pmk} Value, Proceedings of 2016 Industrial Management and Information Application Innovations Conference, pp.121-127, November 21, Tainan, Taiwan.

3. T.-C Chu, An Inverse Function Based Maximizing Set and Minimizing Set Method to Rank Alternatives under Fuzzy Multiple Criteria Decision Making, 28th European Conference on Operational Research, pp.MA-11, 8, Poznan, Poland.

4. T.-C. Chu and E. Kusumaningtyas (2015), Ranking Alternatives by a Relative Maximizing Set and Minimizing Set Method under Fuzzy Multiple Criteria Decision Making Environment, Proceedings of The 3rd Asia-Pacific Conference on Management and Business, pp.126-134, June 29-July 2, Seoul, Korea.

5. T.-C Chu (2014), Using a Maximizing Set Method to Rank Alternatives under Fuzzy MCDM, Proceedings of 20th Conference of the International Federation of Operational Research Societies, pp.HA-38, July 13-18, Barcelona, Spain.

6. T.-C. Chu and E. Kusumaningtyas (2014), Ranking Alternatives under Fuzzy Multiple Criteria Environment through a Maximizing Set based Utility Method, Proceedings of 2014 Industrial Management and Information Application Innovations Conference, pp.1-7, November 21, Tainan, Taiwan.

7. T.-C. Chu and E.A. Cámara Terrazas (2013), Ordering Alternatives under FWA via an Inverse Function based Ranking Approach, Proceedings of the 9th International Conference on Knowledge-Based Economy and Global Management, pp.489-495, Nov. 7-8, STUST, Tainan, Taiwan.

8. T.-C. Chu and E. Kusumaningtyas (2013), Solving Fuzzy MCDM Using a Utility Approach, Proceedings of 2013 Conference of Industrial Management and Information Applications Innovation, pp. 1-7, Nov. 1, STUST, Tainan, Taiwan.

9. T.-C. Chu and P.A.H. Nguyen (2013), A Centroid based Fuzzy Weighted Average for Ranking Alternatives, Proceedings of The 4th International Asia Conference on Industrial Engineering and Management Innovation, pp.456-460, July 18, NTU, Taipei, Taiwan.

10. T.-C. Chu and S.-H. Wu (2013), A Centroid Ranking Approach Based Fuzzy MCDM Model, Proceedings of the International Conference on Industrial and Information Engineering (ICIIE 2013), pp.1340-1346, July 15-16, Stockholm, Sweden.

11. T.-C. Chu and S.-H. Wu (2012), Evaluating New Product Development Projects Using a Fuzzy Approach, Proceedings of the 8th International Conference on Knowledge-Based Economy and Global Management, pp.595-603, Oct. 31-Nov. 2, STUST, Tainan, Taiwan.

12. T.-C. Chu and S. Lach (2012), Ranking Alternatives under FWA by Riemann Integral Based Mean of Removals, Proceedings of the 4th KES International Conference on Intelligent Decision Technologies, pp.273-286, May23-25, Gifu, Japan.

13. T.-C. Chu, S.-H. Wu and C.-K. Chen (2011), Selecting Smart Phones by a Fuzzy MCDM Method with Ranking Approach based on Relative Areas, Proceedings of International Conference on Knowledge-Based Economy and Global Management, pp. 457-466, November 2-3, STU, Taiwan.

14. T.-C. Chu (2011), Evaluating Consulting Firms Using a Centroid Ranking Approach based Fuzzy MCDM Method, The 7th Conference of the European Society for Fuzzy Logic and Technology, pp. 112-118, July 18-22, Aix-les-Bains, France.

Dissertation:

∎ Some problems in Fuzzy Decision Making

Grants

1. Ministry of Science and Technology, No: MOST 105-2410-H-218-002, "Using Inverse Function Based Maximizing Set and Minimizing Set to Solve Fuzzy ELECTRE Based Fuzzy TOPSIS Model," 2016/8 - 2017/7

2. Ministry of Science and Technology, No: MOST 103-2410-H-218-008-MY2, "Defuzzifying Fuzzy Numbers by a Relative Total Utility Value and Its Application," 2014/8 - 2016/7.

3. National Science Council, No: NSC 101-2410-H-218-004-MY2, "Applying Ranking Method of an Area Between Centroids and Original Point to a Fuzzy MCDM Model," 2012/8 - 2014/7.

4. National Science Council, No: NSC 100-2410-H-218-002, "Application of Riemann Integral to Ranking Methods and Fuzzy MCDM Models," 2011/8 - 2012/7.

Entrusted Practical Projects

1. T.-C. Chu, AEON Motor Co., Ltd., 2013/12-2014/6, #311020452

2. T.-C. Chu, Genie Co., Ltd. , 2013/10-2014/1, #311020110

3. T.-C. Chu, Super-Ray Co., Ltd. , 2012/10-2012/12, #311010464

Honors and Awards.

1. Research Award, National Science Council, 2012

Academic and Professional Service

∎ **Reviewer for Ministry of Science and Technology Research Projects**

1. 4 projects, 2016
2. 7 projects, 2014
3. 6 projects, 2013
4. 4 projects, 2012