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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., 1990/12

### Academic Experience

- Professor, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2002/08 to present
- 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

### Research Interests

Fuzzy Set Theory, Fuzzy Decision Making, Operations Research

### Publications

#### Journal Papers:

1. **Chu, Ta-Chung** and Dunn Jerome Dizon Calubad (2011) "Evaluating Real Estates Using a Fuzzy MCDM Approach," *International Journal of Business and Systems Research*, accepted.
2. **Chu, Ta-Chung** and Ron-Ho Lin (2011) "Evaluating Suppliers via a Total Integral Value based Fuzzy MCDM Approach," *Asia Pacific Management Review*, 16(4), 45-58. [TSSCI]
3. **Chu, Ta-Chung** (2010) "A Mean of Removals based Fuzzy MCDM Method for the Evaluation and Selection of Suppliers," *International Journal of Management & Enterprise Development*, accepted.
4. **Chu, Ta-Chung** (2010), "Applying Maximizing Set and Minimizing Set to Solving a Tradeoff Based Fuzzy MCDM Model," *Journal of Information and Optimization Science*, 31, 477-487. [EI]
5. **Chu, Ta-Chung** and Yi-Chen Lin (2009) "An interval arithmetic based fuzzy TOPSIS model," *Expert Systems with Applications*, 36(8), 10870-10876. [SCI]
6. **Chu, Ta-Chung** and Yi-Chen Lin (2009) "An Extension to Fuzzy MCDM," *Computers and Mathematics with Applications*, 57(3), 445-454. [SCI]
7. **Chu, Ta-Chung**, Kuo-Shi Huang and Han-Chung Lee (2005) "Developing a Fuzzy MCDM Model via a Benefit/Cost Tradeoff Concept," *Journal of the Chinese Institute of Industrial Engineers*, 22(3), 226-234. [TSSCI, EI]

## Conference Papers:

1. **Chu, Ta-Chung**, Sing-Hong Wu and Chih-Kai 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.
2. **Chu, Ta-Chung** (2011) "Evaluating Consulting Firms Using a Centroid Ranking Approach based Fuzzy MCDM Method," The 7<sup>th</sup> Conference of the European Society for Fuzzy Logic and Technology, pp. 112-118, July 18-22, Aix-les-Bains, France.
3. **Chu, Ta-Chung**, Chih-Kai Chen and Chun-Chi Chen (2010) "Evaluating Operating Systems of Smart Phones through a Fuzzy MCDM Approach," Proceedings of CIIE National Conference, pp. A10-4, December 25, STU, Taiwan.
4. **Chu, Ta-Chung**, Tsuo-Cheng Wang and E. Adriana Cámara Terrazas (2010) "Interval Arithmetic based FWA for Evaluating Competitiveness of Manufacturing Firms," Proceedings of CIIE National Conference, pp. B10-5, December 25, STU, Taiwan.
5. **Chu, Ta-Chung** and Nguyen Khoa Tu Uyen (2010) "Evaluating Market Segments via a Centroid Method based Fuzzy MCDM Model," Proceedings of International Conference on Knowledge-Based Economy and Global Management, pp. 187-194. November 4-5, STU, Taiwan.
6. **Chu, Ta-Chung** and Pham Hoang Chien (2010) "A Fuzzy TOPSIS Approach for Evaluating E-Commerce Strategies," Proceedings of International Conference on Knowledge-Based Economy and Global Management, pp. 227-236. November 4-5, STU, Taiwan.
7. **Chu, Ta-Chung** and Elianti (2010) "A Fuzzy Preference Relation Matrix Approach to Evaluating Consulting Firms," Proceedings of International Conference on Knowledge-Based Economy and Global Management, pp. 433-441. November 4-5, STU, Taiwan.
8. **Chu, Ta-Chung** and Charindech Santiwatthana (2010) "A Fuzzy Weighted Average Method to Evaluating Project Manager Performance," Proceedings of International Conference on Knowledge-Based Economy and Global Management, pp. 459-468. November 4-5, STU, Taiwan.
9. **Chu, Ta-Chung** (2010) "Applying a Fuzzy Number Dominance Based Ranking Approach to Ordering Alternatives under Fuzzy Multiple Criteria Decision Making," International Conference on Computational Management Science, pp.7-8, July 28-30, 2010, Vienna, Austria.
10. **Chu, Ta-Chung** and Dunn Jerome Dizon Calubad (2010) "Evaluating Real Estates Using a Fuzzy MCDM Approach," Proceedings of Abstracts of International Conference on Accounting and Information Technology, p.193, July 5-7, National Chung Cheng University, Chia-Yi, Taiwan.
11. **Chu, Ta-Chung** (2010) "Evaluating Suppliers via a Total Integral Value based Fuzzy MCDM Approach," Proceedings of the 21<sup>st</sup> International Conference on Information Management, CD A10-115, pp.1-15, May 21-22, NCKU, Taiwan.
12. **Chu, Ta-Chung** and Chun-Chi Chen and Wei-Chun Hsu (2009) "A Maximizing Set and Minimizing Set Based Fuzzy MCDM Approach for the Evaluation and Selection of the Distribution Centers," Proceedings of the International Conference on Knowledge-Based Economy and Global Management, October 22-23, STU, Taiwan, R.O.C., pp. 375-384.
13. **Chu, Ta-Chung** and Antonio Manuel. Velásquez (2009) "Evaluating Corporate Loans

via a Fuzzy MLMCDM Approach,” Proceedings of the 18th World IMACS Congress and MODSIM09 International Congress on Modelling and Simulation, July 13-17, Cairns, Australia, pp. 1493-1499.

14. **Chu, Ta-Chung**, Wei-Chun Hsu and Tien Hoi Do (2009) “Selecting Supplier Through A Tradeoff Concept Based Fuzzy MCDM Approach,” Conference of Enterprise Innovation and Technology Management, National Pingtung University of Science and Technology, Taiwan, January 10, pp.303-314.
15. **Chu, Ta-Chung** (2008) “Evaluating Suppliers through a Mean of Removals based Fuzzy MCDM Approach,” the 18th Triennial Conference of the International Federation of Operational Research Societies, July 13-18, 2008, Sandton, South Africa, pp. 75 (FA-19).

## **Dissertation**

Chu, Ta-Chung (1993) “*Some Problems in Fuzzy Decision Making*,” Ph.D. Dissertation, University of Texas at Arlington, U.S.A.

## **Grants**

1. 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.
2. National Science Council, No: NSC 98-2410-H-218-008-MY2, “Solving FWA and Fuzzy MCDM Models by Ranking Method,” 2009/8 - 2011/7.
3. National Science Council, No: NSC 96-2416-H-218-003-MY2, “A COA Defuzzification Based Fuzzy Multiple Levels Multiple Criteria Group Decision Making Model and Its Application,” 2007/8 - 2009/7.
4. National Science Council, No: NSC 95-2416-H-218-010, “The Application of Fuzzy Technique for Order Preference by Similarity to Ideal Solution to R&D Resource Allocation,” 2006/8 - 2007/7.

## **Academic Service**

### ■ **Reviewer for International Journals**

- African Journal of Business Management (1 paper, September 27, 2011)
- Fuzzy Optimization and Decision Making (1 paper, September 26, 2011)
- African Journal of Business Management (1 paper, September 16, 2011)
- African Journal of Business Management (1 paper, September 7, 2011)
- Scientific Research and Essays (1 paper, August 2011)
- Computers and Mathematics with Applications (1 paper, May, 2011)
- Advances in Fuzzy Systems (1 paper, February 2011)
- Computers and Industrial Engineering (1 paper, December 2010)
- Fuzzy Optimization and Decision Making (1 paper, October 2010)
- Computers and Mathematics with Applications (1 paper, August 2010)
- Fuzzy Optimization and Decision Making (1 paper, July 2010)
- International Journal of Electronic Business Management (1 paper, June 2010)
- Computers and Mathematics with Applications (1 paper, April 2010)
- Fuzzy Optimization and Decision Making (1 paper, March 2010)
- Fuzzy Optimization and Decision Making (1 paper, January 2010)
- International Journal of Production Economics (1 paper, January 2010)
- Fuzzy Optimization and Decision Making (1 paper, November 2009)

- International Journal of Information and Management Sciences (1 paper, October 2009)
- International Journal of Information and Management Sciences (1 paper, September 2009)
- International Journal of Systems Science (1 paper, June 2009)
- International Journal of Systems Science (1 paper, February 2009)

■ **Reviewer for Local Journals**

- Journal of the Chinese Institute of Industrial Engineers (1 paper, October 17, 2011)
- Journal of the Chinese Institute of Industrial Engineers (1 paper, October 1, 2011)
- Journal of the Chinese Institute of Industrial Engineers (1 paper, July 2011)
- Journal of the Chinese Institute of Industrial Engineers (1 paper, April 2011)
- Journal of Advanced Engineering (1 paper, February 2011)
- Journal of e-Business (1 paper, February 2010)
- Journal of the Chinese Institute of Industrial Engineers (1 paper, July 2009)
- Journal of the Chinese Institute of Industrial Engineers (1 paper, May 2009)
- Asia Pacific Management Review (1 paper, April 2009)
- Journal of the Chinese Institute of Industrial Engineers (1 paper, January 2009)

■ **Reviewer for National Science Council Research Projects**

- 6 projects, 2011
- 8 projects, 2010
- 6 projects, 2009
- 1 project, 2007