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### Education

- PhD, Department of Industrial Engineering and Management, National Chiao Tung University, 2004/07
- Master, Department of Management Science, I-Shou University, 1997/06

### Area of Specialty

- Quality Management

### Academic Experience

- Assistant Professor, Department of Industrial Management and Information, Southern Taiwan University of Science and Technology, 2004/08 to present

### Publications

#### Journal Papers:

1. C.-T. Su, T. Yang, and **P.-S. Wang** "An optimal yield mapping approach for liquid crystal displays," Journal of Quality, pp.283-294, December 2004 [*EI*]
2. C.-T. Su, **P.-S. Wang** and C.-C. Hsu, "Effective Approaches for low temperature poly silicon TFT LCD post-mapping yield control problem," IEEE Transactions on Automation Science and Engineering, Vol.2, no.2, pp.198-206, April 2005 [*SCI*]
3. **P.-S. Wang** and C.-T. Su, "An optimal yield mapping approach for the small and medium sized liquid crystal displays," International Journal of Advanced Manufacturing Technology, Vol.27, pp.985-989, February 2006 [*SCI*]
4. J.-J. Fang, J.-S. Yang, **P.-S. Wang**, and C.-H. Wu, "Apply central composite design for the process parameter optimization on the aquatic feed production process," Journal of Quantitative Management, Vol.13, no.1, pp.1-12, June 2016.

#### Conference Papers:

1. J.-J. Fang and **P.-S. Wang**, "The Analysis of Gauge Repeatability and Reproducibility with Interaction Between Operators and Parts," The 4th International Conference on quality and Reliability, pp.209-216, Beijing, August, 2005.
2. **P.-S. Wang** and J.-J. Fang, "The Analysis and Comparison of Gauge Variance Estimators" INFORMS 2006 International Hong Kong Conference, June, 2006.
3. **P.-S. Wang** and J.-J. Fang, "The Optimization of Medicine Formulation Using Mixture Experiments" Proceedings of the International MultiConference of Engineers and Computer Scientists 2010 Vol III, IMECS 2010, March 17-19, 2010, Hong Kong.
4. **P.-S. Wang**, and C.-L. Huang, "A Practical Application of TRIZ Methodology in the LCD Process Improvement" 2013 Business Innovation and Development Conference, March 15, 2013, Changhua, Taiwan.
5. **P.-S. Wang**, J.-J. Fang, and N.-C. Chang, "Use ISO 9000 to improve life quality" 2013

Industrial Management and Information Application Innovation Conference, November 1, 2013, Tainan, Taiwan.

6. T. Yang, **P.-S. Wang**, and L.-C. Yu, "Sales-production Integration e-Kanban System —Case of Semiconductor Crystal Pulling Manufacturing" 2013 Chinese Institute of Industrial Engineers Annual Conference, December 7, 2013, Pingtung, Taiwan.
7. Taho Yang, **Peng-Sen Wang**, and Min-Chih Chang, "The Optimization of Labor Linearity Problem from TFT-LCD module assembly line" The 1st East Asia Workshop on Industrial Engineering, EAWIE 2014, Nov 7-9, 2014, Japan.

### **Dissertation:**

- P.-S. Wang and C.-T. Su (2004), *Effective Approaches for Liquid Crystal Displays Yield Mapping*, National Chiao Tung University, Hsinchu, Taiwan.

### **Grants**

1. National Science Council, No: NSC 94-2213-E-218 -012 – , "Gauge repeatability and reproducibility with interaction," 2005/8 - 2006/7.
2. National Science Council, No: NSC 98-2221-E-218 -026 – , "Applying response surface methodology, genetic algorithm, artificial neural network, and grey theory on biochemical pharmacy industry for the component optimization of mixture experiment with multiple response variables," 2009/8 - 2010/7.

### **Entrusted Practical Projects**

1. Academia to assist SMEs in science and technology care program, No: 311020233, "Precision Machinery Industry Value Enhancement Program," 2013/6 - 2013/11.
2. Academia to assist SMEs in science and technology care program, No: 111010448, "Cluster automation and information communication introduced into South Taiwan precision machinery industry counseling project," 2012/5 - 2012/10.
3. Tso Long Enterprise Co., Ltd., No: 311000109, "Acceptance sampling and process capability analysis," 2011/11 - 2012/2.

### **Professional Certifications**

- Certificate of Quality Engineer, Chinese Society for Quality, 2008/5.

### **Academic and Professional Service**

- 2015/09~2016/08 Der Feng Co., Ltd. consultant.