Curriculum Vitae

Shi-Woei Lin (林希偉)

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Contact Information

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Education

1997–2004 **Ph.D.** in **Industrial and Systems Engineering**
Department of Industrial and Systems Engineering
University of Wisconsin–Madison

1999–2001 **M.S.** in **Statistics**
Department of Statistics
University of Wisconsin–Madison

1995–1996 **M.S.** in **Industrial and Systems Engineering**
Department of Industrial and Systems Engineering
University of Wisconsin–Madison

1988–1992 **B.S.** in **Industrial Engineering**
Department of Industrial Engineering
Tunghai University, Taichung, Taiwan, R.O.C

Academic Experience

2018/8–Present Professor
Department of Industrial Management
National Taiwan University of Science and Technology, R.O.C.

2012/8–2018/7 Associate Professor
Department of Industrial Management
National Taiwan University of Science and Technology, R.O.C.

2010/8–2012/7 Associate Professor
College of Management (Department of Business Administration)
Yuan Ze University, R.O.C.

2004/8–2010/7 Assistant Professor
Department of Business Administration
Yuan Ze University, R.O.C.

1999–2004	Research Assistant Department of Medical Physics / Department of Industrial Engineering University of Wisconsin–Madison
1998–1999	Project Assistant Department of Dairy Science University of Wisconsin – Madison

Statistical Consulting Experience

03/2002–05/2002	Department of Linguistics University of Wisconsin–Madison
09/2002–10/2002	Department of Marketing (School of Business) University of Wisconsin–Madison

Training Related to Research Ethics

10/07/2015	2-hour Educational Tranining Courses of Workshop for Research Ethics Review Application IV in 2015, Division of Research Ethics, National Taiwan University

Honors and Awards

2004/12	Travel Scholarship (Society for Risk Analysis)
2007/12	Best Paper Award (Chinese Society for Management of Technology Annual Meeting)
2008 – 2009	Treasurer, Operations Research Society of Taiwan (ORSTW)
2010 – 2011	Councilor, Operations Research Society of Taiwan (ORSTW)
2010 – 2012	The National Science Council Subsidies for Rewarding Outstanding Talents in Universities
2011/05	Publication Chair, International Joint Conference on Service Sciences (IJCSS 2011)
2013	Outstanding Advisor Award (National Taiwan University of Science and Technology)
2013/7	Program Committee, The IIE Asian Conference 2013
2013/12	Local Organizing Committee, The 9th International Conference on Optimization: Technique and Applications (ICOTA9)
2014	Guest Editor, Journal of Quality
2012 – 2014	Managing Editor, International Journal of Operations Research (IJOR)
2014 – Present	Area Editor, International Journal of Operations Research (IJOR)

2014 – 2015	Distinguished Teaching Award (National Taiwan University of Science and Technology)
2016	Excellent Teaching Award (National Taiwan University of Science and Technology)
2016/12	Local Organizing Committee, APIEMS 2017 Conference
2015 – Present	Councilor, Society for Risk Analysis of Taiwan (TSRA)
2018 – 2019	Secretary, Operation Research Society of Taiwan (ORSTW)
2017 – 2022	Treasurer, Society for Risk Analysis of Taiwan (TSRA)
2019 – Present	Editorial Board, Decision Analysis (published by INFORMS)
2020 – 2021	Distinguished Teaching Award (National Taiwan University of Science and Technology)
2022 – 2025	Excellent Teaching Award (National Taiwan University of Science and Technology)

Research Grants

2005/1 – 2005/7	National Science Council NSC94-2213-E-155-017 Comparative Study of Aggregate and Disaggregate Bayesian Reliability Analysis when Components are Dependent (Principal Investigator)
2005/8 – 2006/7	National Science Council NSC94-2416-H-155-010 Design of Incentive Mechanisms for Risk-Informed Regulation (Principal Investigator)
2006/3 – 2006/11	Taipei City Government BAP-94003 Research on the Evaluation and Improvement of Outsourcing Efficiency of the Taipei City Government (Principal Investigator)
2006/8 – 2007/7	National Science Council NSC95-2416-H-155-013 Empirical Study of Disposition Effects in Futures Markets and Evolutionary Game of Investing Behavior (Principal Investigator)
2007/8 – 2008/7	National Science Council NSC96-2416-H-155-008 Expert Overconfidence Phenomenon and the Aggregation of Probabilistic Interval Estimation (Principal Investigator)
2008/8 – 2009/7	National Science Council NSC97-2221-E-155-046 Design of Bayesian Calibration Models for Aggregating Expert Judgments (Principal Investigator)
2010/8 – 2012/7	National Science Council NSC99-2410-H-155-034-MY2 Mechanism Design in Risk Regulation Games (Principal Investigator)

2012/3 – 2012/12 Taoyuan City Government 101-YS-086
Strategy Planning and Management to Enhance Service Quality by Taoyuan City Hall
(Co-investigator)

2012/5 – 2012/6 Taoyuan City Government 101-YS-121
Analysis of Public Satisfaction Surveys Conducted by Taoyuan City Government
(Co-investigator)

2012/11 – 2012/12 Taoyuan City Government 101-YS-138
Analysis of Public Petition Cases of Taoyuan City Government
(Co-investigator)

2012/8 – 2013/2 Institute for Information Industry
Mobile Printing Related Research and Innovative Thinking Project
(Co-investigator)

2012/8 – 2014/7 National Science Council NSC101-2410-H-011-034-MY2
Modeling and Accommodating Uncertainty, Variability, and Dependence in Risk Decision Making
(Principal Investigator)

2014/11 – 2014/12 Institute for Information Industry
Improving User Experience Business Proposal Research Project
(Co-investigator)

2014/8 – 2017/7 Ministry of Science and Technology MOST103-2410-H-011-012-MY3
Bayesian Networks for Prognosis, Diagnosis, and Treatment Decision Analysis in Metastasis of Cancer
(Principal Investigator)

2017/8 – 2020/7 Ministry of Science and Technology MOST106-2410-H-011-004-MY3
Designing Pricing Incentives for Electric Vehicle Sharing Systems
(Principal Investigator)

2018/3 – 2018/12 Ministry of Transportion & China Engineering Consultants, Inc.
Advanced Smart Transportation Safety Assessment Technology Research and Development Project (2/4)
(Co-Investigator)

2018/1 – 2018/8 Bureau of Chemical Administration, Environmental Protection Agency (EPA) 106E007
Toxic and Chemical Substances Risk Assessment Certification Program
(Principal Investigator)

2019/3 – 2019/12 Ministry of Transportion & China Engineering Consultants, Inc.
Advanced Smart Transportation Safety Assessment Technology Research and Development Project (3/4)
(Co-Investigator)

2019/6 – 2019/11 Bureau of Chemical Administration, Environmental Protection Agency (EPA)
Risk Assessment Instruction Materials Compilation Project
(Co-investigator)

2020/8 – 2021/7 Ministry of Science and Technology MOST109-2410-H-011-014
Game-theoretic Mechanism Design for Warranty Fraud Management
(Principal Investigator)

2021/8 – 2022/7 Ministry of Science and Technology MOST110-2621-M-011-001
Stakeholder-Involved Game-theoretical Incentive Mechanism Design and Decision Analysis for Groundwater Resource System
(Principal Investigator)

2022/8 – 2025/7 Ministry of Science and Technology MOST 111-2410-H-011-019-MY3
Copula-based Zero-Inflated Semi-continuous Time Series Modeling with Applications
(Principal Investigator)

2025/8 – 2027/7 National Science and Technology Council NSTC 114-2410-H-011-029-MY2
High-Dimensional Shift Detection and Diagnosis and Directional Dependence Analysis Under a Vine Copula Framework
(Principal Investigator)

Research Interests

– Decision Analysis and Risk Analysis

– Behavioral Decision Making and Behavioral Economics

– Health Care Quality and Service Management

– Game Theory and Information Economics

– Applied Statistics

Specifically, my current research interests include the application of game theory to risk-informed regulation, and the use of mathematical model to aggregate experts' uncertainty judgment. Other interests include decision biases and methods for effective risk communication, both to decision makers and to the general public.

In addition to risk analysis and decision analysis, I am also working on identifying the factors that affect patients' safety and medical quality by examining the sentinel events in radiotherapy. I am highly interested in extending my research territory further into the health care arena. For example, in a project related to the mining of medical data, we apply Bayesian networks to prognostic and diagnostic inference for bone metastasis from lung cancer. In service management, I am currently exploring how the service systems are embedded in by social systems, and how the social norms can be used to guide better value co-creation in service business practices.

Journal Articles

[1] Octavina, **Shi-Woei Lin**, and Khreshna Syuhada (2026) Detection of dependence shifts based on copula modeling for multivariate process monitoring, Quality Technology & Quantitative Management. (Accepted). **(SCI)**

[2] **Shi-Woei Lin** and Octavina (2025) Simultaneous detection of shifts in the marginal and dependence terms for multivariate quality control, Quality Engineering. (Accepted). **(SCI)**

[3] Januardi, **Shi-Woei Lin**, Chiang-Sheng Lee (2024), Perishable Food Supply Chain Contract with Asymmetric Freshness Information, International Journal of Systems Science: Operations & Logistics, 11(1). **(SCI)**

[4] Octavina, **Shi-Woei Lin**, and Ruey-Huei Yeh (2024), "Copula-Based Bayesian Reliability Assessment for Series Systems", *Quality and Reliability Engineering International*, 40(5), 2444 - 2455. **(SCI)**

[5] Silvia Merdikawati, **Shi-Woei Lin**, and Ruey-Huei Yeh (2024), "Optimization Three-part Tariff Pricing and Marketing Strategies for Consumer Overconfidence", *PLOS ONE*, 19(11), e0297819. **(SCI)**

[6] **Shi-Woei Lin**, Silvia Merdikawati, Shan-Fei Wu, and Ruey-Huei Yeh (2023), "Optimization and Analysis of Three-part Tariff Pricing Strategies", *OR Spectrum*, 45, 1223 - 1265. **(SCI)**

[7] Hisyam and **Shi-Woei Lin** (2023), "Bibliometric Analysis of Social Enterprise Literature: Revisit to Regroup", *Journal of Innovation & Knowledge*, 8(3), 100411. **(SSCI)**

[8] **Shi-Woei Lin** and Januardi (2023), "Two-stage Pricing of Perishable Food Supply Chain with Quality-keeping and Waste Reduction Efforts", *Managerial and Decision Economics*, 44(3), 1749 - 1766. **(SSCI)**

[9] **Shi-Woei Lin** and Januardi (2023), "Willingness-to-Pay Experimental Model for Stackelberg Dual Channel Pricing Decision," *International Journal of Retail & Distribution Management*, 51(1), 103 - 123. **(SSCI)**

[10] **Shi-Woei Lin** and Januardi (2023), "Two-period Pricing and Utilization Decisions in a Dual-Channel Service-Only Supply Chain," *Central European Journal of Operations Research*, 31, 605 - 635. **(SCI)**

[11] Che-Yu Hung, Chien-Chih Wang, **Shi-Woei Lin**, and Bernard C. Jiang (2022), "Empirical Comparison of Sales Forecasting Performance for Plastic Tray Manufacturing Using Missing Data," *Sustainability*, 14(4), 2382. **(SCI/SSCI)**

[12] **Shi-Woei Lin** and Kartika Nur Anisa (2021), "Effects of Socioeconomic Status on Cancer Patient Survival: Counterfactual Event-based Mediation Analysis," *Cancer Causes & Control*, 32(1), 83 – 93. **(SCI)**

[13] **Shi-Woei Lin**, Tapiwa B. Matanhire, and Yi-Ting Liu (2021), "Copula-based Bayesian Reliability Analysis of a Product of a Probability and a Frequency Model for Parallel Systems When Components Are Dependent," *Applied Sciences*, 11(4):1697. **(SCI)**

[14] Tapiwa B. Matanhire, and **Shi-Woei Lin** (2021), "An Economic Reappraisal of Hepatitis B Virus Testing Strategy for Blood Donors in Taiwan," *Vox Sanguinis*, 116(5), 564 – 473. **(SCI)**

[15] **Shi-Woei Lin**, Kartika Nur Anisa, and You-Chen Chen (2020), "Effects of Meteorological Factors on Blood Donation," *Transfusion and Apheresis Science*, 59(6), 102901. **(SCI)**

[16] Jean-Raymond Fontin, and **Shi-Woei Lin** (2020), "A joint comparative analysis of routing heuristics and paperless picking technologies using simulation and data envelopment analysis ," *Applied Sciences*, 10, 8777. **(SCI)**

[17] **Shi-Woei Lin**, Ying-Sheng Hung, Wan-Chen Lee, and Chun-Hung Liu (2020), "Optimal Collecting Policy for Apheresis Platelets in a Regional Blood Center," *Vox Sanguinis*, 115(2), 148 – 158. **(SCI)**

[18] Jean-Raymond Fontin, and **Shi-Woei Lin** (2019), "Comparison of banking innovation in low-income countries: A meta-frontier approach," *Journal of Business Research*, 97, 108-207. **(SSCI)**

[19] **Shi-Woei Lin**, Yi-Ting Liu, and Mohammad Adam Jerusalem (2018), "Bayesian Reliability Analysis of a Products of Probabilities Model for Parallel Systems with Dependent Components," *International Journal of Production Research*, 56(4), 1521 – 1532. **(SCI)**

[20] **Shi-Woei Lin**, and Mohammad Adam Jerusalem (2018), "Hybrid Method for Assessing Marketable Fashion Designs: Diamond Pairwise Comparison Combined with the Choquet Integral," *Textile Research Journal*, 88(13), 1531 – 1542. **(SCI)**

[21] **Shi-Woei Lin**, and Mohammad Adam Jerusalem (2016), "Integrated MCDM for Evaluating Fashion Design Schemes," *International Journal of Clothing Science and Technology*, 28(6), 880 – 892. **(SCI)**

[22] Mohammad Adam Jerusalem, **Shi-Woei Lin**, and Dradjad Irianto (2016), "A Comprehensive Model for Process Selection by Considering Offline and Online Quality Control," *Journal of Advanced Mechanical Design, Systems, and Manufacturing*, 10(4), 1 – 12. **(SCI)**

[23] **Shi-Woei Lin**, and Octavina (2015), "Bayesian Reliability Analysis of Series Systems with Dependent Components," *Journal of Systems Engineering and Electronics*, Accepted. **(SCI)**

[24] Liu, Shih-Wen, **Shi-Woei Lin**, and Chien-Wei Wu (2014), "A resubmitted sampling scheme by variables inspection for controlling lot fraction nonconforming," *International Journal of Production Research*, 52(12), 3744 – 3754. **(SCI, impact factor = 1.323)**

[25] Lin, Chen-ju and **Shi-Woei Lin** (2014), "Editorial: Institute of Industrial Engineers (IIE) Asian Conference 2013," *Journal of Quality*, 21(4), 217 – 218. **(EI)**

[26] Bier, M. Vicki and **Shi-Woei Lin** (2013), "On the Treatment of Uncertainty and Variability in Making Decisions about Risk," *Risk Analysis*, 33(10), 1899 – 1907. **(SSCI, impact factor = 2.366)**

[27] Bier, M. Vicki and **Shi-Woei Lin** (2013), "Should the Model for Regulation be Game Theory rather than Decision Theory?," *Risk Analysis*, 33(2), 281 – 291. **(SSCI, impact factor = 2.366)**

[28] Lu, Ming-Tsang, **Shi-Woei Lin**, and Gwo-Hshiung Tzeng (2013), "Improving RFID adoption of Taiwan's healthcare industry based on DEMATEL technique with a hybrid

MCDM model," *Decision Support Systems*, 56(1), 259 – 269. **(SCI, impact factor = 2.201)**

[29] **Lin, Shi-Woei** (2013), "An Investigation of the Range Sensitivity of Attribute Weight in the Analytic Hierarchy Process," *Journal of Modelling in Management*, 8(1), 65 – 80. **(ABI)**

[30] **Lin, Shi-Woei** and Yu-Cheng Liu (2012), "The Effects of Motivations, Trust, and Privacy Concern in Social Networking," *Service Business*. 6, 411 – 424. **(SSCI, impact factor = 1.000)**

[31] **Lin, Shi-Woei** and Ming-Tsang Lu (2012), "Characterizing Disagreement and Inconsistency in Experts' Judgments in the Analytic Hierarchy Process," *Management Decision*, 50(7), 1252 – 1265. **(SSCI, impact factor = 1.070)** (NSC99-2410-H-155-034-MY2)

[32] **Lin, Shi-Woei** and Ssu-Wei Huang (2012), "Effects of Overconfidence and Dependence on Aggregated Probability Judgments," *Journal of Modelling in Management*, 7(1), 6 – 22. **(ABI)**

[33] **Lin, Shi-Woei** (2011), "Jackknife Evaluation of Aggregated Distributions Judgments Obtained Through Kulbback-Leibler Distance," *Applied Mathematics and Computation*, 218, 469 – 479. **(SCI, impact factor = 1.124)**

[34] Hung, Wei-Tien, Heng-Yih Liu, and **Shi-Woei Lin** (2011), "Trust formation in E-commerce: The moderating effect of trust propensity," *Journal of Internet Technology*. 12(6), 911 – 920. **(SCI, impact factor = 0.448)**

[35] Lu, Ming-Tsang and **Shi-Woei Lin** (2010), "Evaluation of MCDM Model of Green Environmental Strategic Orientations," *Journal of Logistics and Management*. 9(2), 1 – 12.

[36] **Lin, Shi-Woei** (2010), "Self-reporting Mechanism for Risk Regulation," *Journal of Business Research*, 63(5), 528 – 534. **(SSCI, impact factor = 1.293)**

[37] **Lin, Shi-Woei** and Chih-Hsing Cheng (2009), "The Reliability of Aggregated Probability Judgments Obtained Through Cooke's Classical Model," *Journal of Modelling in Management*, 4(2), 149 – 161 **(ABI)**

[38] **Lin, Shi-Woei** and Kuo-Chuan Wang (2009), "Expert Overconfidence in Probability Interval Estimations," *Journal of Management & Systems*, 16(2), 181 – 200. **(TSSCI)**

[39] **Lin, Shi-Woei** and Kuo-Chuan Wang (2009), "Investigation of Variation and Calibration in Experts' Distribution Judgments," *Journal of Technology Management*, 14(1), 29 – 54. **(TSSCI)**

[40] Thomadsen, Bruce and **Shi-Woei Lin** (2008), "Taxonometric Guidance for Developing Quality Assurance," *International Journal of Radiation Oncology, Biology, Physics*, 71(1), pp. s204–s209. **(SCI, impact factor = 4.592)**

[41] **Lin, Shi-Woei** and Vicki M. Bier (2008), "Response to Comments on Lin and Bier (2008)," *Reliability Engineering and System Safety*, 93(5), 772 – 773. **(SCI, impact factor = 1.908)**

[42] **Lin, Shi-Woei** and Vicki M. Bier (2008), "A Study of Expert Overconfidence," *Reliability Engineering and System Safety*, 93(5) 711 – 721. **(SCI, impact factor = 1.908)**

[43] **Lin, Shi-Woei** and Hui-Lung Huang (2007), "Agent-based modelling to investigate the disposition effect in financial markets," *Portuguese Journal of Management Studies* , 12(2), pp. 145 – 164.

[44] Bruce Thomadsen, **Shi-Woei Lin**, Patrick Laemmrich, Tonia Waller, Arif Cheng, Barrett Caldwell, Rebecca Rankin, and Judith Stitt (2003), "Analysis of Treatment Delivery Errors in Brachytherapy Using Formal Risk Analysis Techniques," International Journal of Radiation Oncology, Biology, Physics, 57(5), pp. 1492–1508. **(SCI, impact factor = 3.756)**

[45] K. A. Weigel and **S. W. Lin** (2002), "Controlling Inbreeding by Constraining the Average Relationship Between Parents of Young Bulls Entering AI Progeny Test Programs," Journal of Dairy Science, 85(9), pp. 2376–2383. **(SCI, impact factor = 1.917)**

[46] K. A. Weigel and **S. W. Lin** (2000), "Use of Computerized Mate Selection Programs to Control Inbreeding of Holstein and Jersey Cattle in the Next Generation," Journal of Dairy Science, 83(4), pp. 822–828. **(SCI, impact factor = 1.917)**

[47] K. A. Weigel and **S. W. Lin** (1999), "Development of International Conversion Equations Using Robust Regression Methodology," Journal of Dairy Science, 82(9), pp. 2023–2029. **(SCI, impact factor = 1.917)**

Book Chapter

[1] **Lin, Shi-Woei** (2011), "Generalized Linear Mixed Model," in *The SAGE Dictionary of Quantitative Management*, L. Moutinho and G. Hutcheson eds., pp. 130 – 132.

[2] **Lin, Shi-Woei** and Ssu-Wei Huang (2008), "Effects of Overconfidence and Dependence on Aggregated Probability Judgments," in *Advanced Reliability Modeling III: Global Aspect of Reliability and Maintainability*, S. H. Sheu and T. Dohi eds., pp. 390 – 397.

[3] Thomadsen, Bruce and **Shi-Woei Lin** (2005), "Taxonomic Guidance For Remedial Actions," in *Advanced in Patient Safety: From Research to Implementation Vol. II*, Henriksen, Battles, Marks, & Lewin, eds., pp. 75 – 86.

Technical Report

[1] Performance Evaluation of Municipal Properties Operate and Transfer (OT) Cases in Taipei City Government. Taipei City Government Technical Report NO. 352, 2006.

Selected Conference Presentations and Papers

[1] Octavina and **Shi-Woei Lin** (2024), "Detection of Dependency Shifts Based on Vine Copula Modeling," 11th International Conference on Industrial Engineering and Applications (ICIEA 2024). Hiroshima, Japan, April 17-19, 2024.

[2] Kartika Nur Anisa and **Shi-Woei Lin** (2023), "Counterfactual Event-Based Mediation Analysis of Socioeconomic Status for Cancer Patient Survival," The 35th Annul Conference of International Society for Environmental Epidemiology (ISEE 2023). Kaoshung, Taiwan, September 17-21, 2023.

[3] **Shi-Woei Lin** and Hisyam (2022), "Bibliometric Analysis of Social Enterprises Literature: Revisit to Regroup," The 22th Asia Pacific Industrial Engineering and Management Systems (APIEMS 2022). Tai-Chung, Taiwan, November 6-10, 2022.

[4] Januardi and **Shi-Woei Lin** (2022), "Optimal Markdown Pricing in Food Supply-chain with Waste Reduction Efforts," The 22th Asia Pacific Industrial Engineering and Management Systems (APIEMS 2022). Tai-Chung, Taiwan, November 6-10, 2022.

[5] **Shi-Woei Lin**, Kartika Nur Anisa, Chiang-Sheng Lee and Yi-Ting Liu (2020), "Bayesian Reliability Analysis of Parallel Systems when Components are Dependent," The 1st International Conference on Intelligent Production and Operations (IPO 2020). Taipei, Taiwan, June 19-21, 2020.

[6] **Shi-Woei Lin**, Tapiwa B. Matanhire, and Yu-Chi Chang (2019), "Game-theoretic Analysis of Service Agent Warranty Fraud when Some Agents Are Honest," The 20th Asia Pacific Industrial Engineering and Management Systems (APIEMS 2019). Kanazawa, Japan, December 3-6, 2017.

[7] Tapiwa B. Matanhire, and **Shi-Woei Lin** (2019), "Risk-Based Approach for Blood Safety Decisions in Taiwan," Society for Risk Analysis — Fifth World Congress on Risk, Capetown, South Africa.

[8] Dyantika Putry Mahmud and **Shi-Woei Lin** (2018), "Mixture Hidden Markov Models for Sequence Analysis of Blood Donation Behavior," Informs International Conference, Taipei, Taiwan, June 17-20, 2018.

[9] Kartika nur Anisa, and **Shi-Woei Lin** (2017), "Effect of Socioeconomic Status on Lung Cancer Survival: A Mediation Analysis Based on Bayesian Network Approach," The IEEE International Conference on Industrial Engineering and Engineering Management (IEEM). Singapore, December 10-13, 2017.

[10] Roni Sahroni, **Shi-Woei Lin**, and Dradjad Irianto (2017), "Optimal Process Parameter Selection and Quality Improvement under Price and Quality Dependent Demand," The 18th Asia Pacific Industrial Engineering and Management Systems (APIEMS 2017). Yogyakarta, Indonesia, December 3-6, 2017.

[11] Kartika nur Anisa, and **Shi-Woei Lin** (2017), "Mediation Analysis of Socioeconomic Status on Lung Cancer Survival based on Bayesian Network Approach," The 2017 Annual Meeting of the Operations Research Society of Taiwan, Taipei, Oct. 14, 2017.

[12] Fontin, Jean-Raymond and **Shi-Woei Lin** (2017), "Evaluating Size Effect On Cost Inefficiency Of Commercial Banks With Dea," INFORMS 2017 Annual Conference. Houston, TX, USA, October 22 –25, 2017.

[13] Prayoga Dharma, and **Shi-Woei Lin** (2017), "Retailer and Salvage Retailer Relationship under Demand Depend on Product Price, Freshness, and Displayed Inventory Level," 4th iCatse International Conference on Industrial Engineering, Management Science and Applications (ICIMSA 2017). Seoul, Korea, June 13 - 15, 2017.

[14] Silvia Merdikawati, **Shi-Woei Lin**, and You-Chen Chen (2016), "Fleet Optimization of Electric Scooter Sharing Systems via Simulation," The 2016 Annual Meeting of the Operations Research Society of Taiwan, Taipei, Oct. 28, 2016.

[15] Mohammad Adam Jerusalem, and **Shi-Woei Lin** (2016), "Evaluation of Fashion Design by Combining ANP and TOPSIS," The Joint International Symposium of the 9th

Textile Bioengineering and Informatics Symposium and the 6th Asian Protective Clothing Conference. RMIT University, Australia, July 12-15, 2016.

[16] Silvia Merdikawati, and **Shi-Woei Lin** (2016), "A Simulation Study On The Optimal Initial Vehicle Deployment For Electric Scooter Sharing Systems," The 2016 INFORMS International Conference. Hawaii, USA, June 12 15, 2016.

[17] Ririh R. Ratinghayu, and **Shi-Woei Lin** (2016), "Electric Scooter Sharing System Optimal Pricing: Matching Customer Category with Fleet Class," The 2016 INFORMS International Conference. Hawaii, USA, June 12 15, 2016.

[18] **Lin, Shi-Woei**, Jhyh-Yun Liou, and Anindita Pamaputri (2015), "Analyzing Blood Donors' Return Behavior Using Data Mining Techniques," The 2015 Annual Meeting of the Operations Research Society of Taiwan, Taipei, Oct. 23, 2015.

[19] **Lin, Shi-Woei**, and Octavina (2015), "Copula-based Bayesian Reliability Analysis," 2015 International Conference on Quality, Reliability, and Safety Engineering (QR2MSE 2015). Beijing, July 21 - 24, 2015.

[20] **Lin, Shi-Woei**, Yu-Wei Chen and Mohammad Adam Jerusalem (2014), "Prognosis and Survival Prediction of Lung Cancer by Bayesian Network, "The 15th Asia Pacific Industrial Engineerings and Management Systems Conference. Jeju Island, Oct. 12 - 15, 2014.

[21] Mohammad Adam Jerusalem and **Lin, Shi-Woei**(2014), "Evaluating the Economic Performance of ASEAN Countries by Data Envelopment, "The 15th Asia Pacific Industrial Engineerings and Management Systems Conference. Jeju Island, Oct. 12 - 15, 2014.

[22] Yu-Wei Chen and **Lin, Shi-Woei** (2014), "Prognosis of Bone Metastasis from Lung Cancer by Bayesian Network, "Annual Conference of Asia Pacific Decision Science Institute (APDSI 2014). Yokohama, July 28 - 22, 2014.

[23] **Lin, Shi-Woei** and Hao-Yuan Chan (2013), "Waiting as a Signal of Quality When Multiple Extrinsic Cues are Presented," in *Proceedings of the Institute of Industrial Engineers Asian Conference 2013*, Yi-Kuei Lin, Yu-Chung Tsao, and Shi-Woei Lin eds., pp. 205 – 210. **(EI indexed)**

[24] **Lin, Shi-Woei** and Yi-Tseng Lin (2013), "Effect of Relationship Types on the Behaviors of Health Care Professionals," in *Proceedings of the Institute of Industrial Engineers Asian Conference 2013*, Yi-Kuei Lin, Yu-Chung Tsao, and Shi-Woei Lin eds., pp. 211 – 217. **(EI indexed)**

[25] **Lin, Shi-Woei** (2012), "Effects of Information Disclosure Format on Risk Perception," presented in the International Conference on Business and Information, Sapporo, Japan, July 03 – 05, 2012.

[26] **Lin, Shi-Woei** (2011), "Characterizing Disagreement and Inconsistency in Experts' Judgments in the Analytic Hierarchy Process," presented in the 19th Iriennial Conference of the International Federation of Operational Research Societies, Melbourne, Australia, July 10 – 15, 2011.

[27] **Lin, Shi-Woei**, Chorng-Guang Wu, and Ming-Tsang Lu (2010), "Decomposition of Variation in Experts' Judgments in the Analytic Hierarchy Process," presented in the

40th International Conference on Computers and Industrial Engineering, Awaji Island, Japan, July 25 – 28, 2010. **(EI indexed)**

[28] **Lin, Shi-Woei** and Ming-Tsang Lu (2009), "Investigation of Range Sensitivity of Attribute Weight in Analytic Hierarchy Process," presented in the Asia Pacific Industrial Engineering & Management Systems Conference (APIEMS 2009), Kitakyushu, Japan, December 14 – 16, 2009.

Certification

American Society for Quality (ASQ) Certified Quality Engineer

American Society for Quality (ASQ) Certified Reliability Engineer

Professional Affiliations

Society for Risk Analysis (SRA)

Taiwan Society for Risk Analysis (TSRA)

Operations Research Society of Taiwan (ORSTW)

Chinese Institute of Industrial Engineers (CIIE)

References

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