

Chien-wen Shen

Experience

- Associate Professor* 2014/08 – Present
Department of Business Administration, National Central University, Taiwan
- Director* 2015/03 – Present
Yunus Social Business Centre, National Central University, Taiwan
- Deputy Director* 2014/01 – 2015/07
ERP and Big Data Center, National Central University, Taiwan
- Assistant Professor* 2009/08 – 2014/07
Department of Business Administration, National Central University, Taiwan
- Director* 2009/08 – 2014/07
Supply Chain Collaboration Center, National Kaohsiung First University of Science and Technology, Taiwan
- Assistant Professor* 2009/08 – 2014/07
Department of Logistics Management, National Kaohsiung First University of Science and Technology, Taiwan

Education

- Ph.D. Industrial Engineering and Management Sciences,
Northwestern University, USA
- M.S. Industrial Engineering and Management Sciences,
Northwestern University, USA
- B.A. Mathematics,
National Central University, Taiwan

Publications

Journals:

- Chien-Wen Shen and Yen-Ting Peng (2017, July). Recent Trends of Social Businesses on Twitter. *International Journal of Social Business*, 1(1), 83-90.
- 沈建文 (2017) 「社會價值創造」導向之公共服務新趨勢－以英國為例，國土及公共治理，第 5 卷第 1 期，頁 19-29。
- Chien-wen Shen, Chin-Jin Kuo, Pham Thi Minh Ly (2017, February). Analysis of Social Media Influencers and Trends on Online and Mobile Learning. *The International Review of Research in Open and Distributed Learning*, 18(1), 209-224. (SSCI)
- Chien-wen Shen, Chin-Hsing Hsu, Ching-chieh Chou, Tzu-Chun Tsai (2016). Toward a Nationwide Mobile-Based Public Healthcare Service System with Wireless Sensor Networks. *Mobile Information Systems*, vol. 2016, Article ID 1287507, 11 pages. (SCI)

- Ching-chih Chou, Chien-wen Shen*, and Yen-Chun Jim Wu* (2016). Analysis of the directional impacts between coal prices and bulk cargo freight rates. *The International Journal of Logistics and SCM Systems*, 9(1), 23-33.
- Chien-wen Shen, Chin-Jin Kuo (2015, October). Learning in Massive Open Online Courses: Evidence from Social Media Mining. *Computers in Human Behavior*, 51(B), 568-577. (SSCI)
- Chien-wen Shen (2015). Factors of data infrastructure and resource support influencing the integration of business intelligence into enterprise resource planning systems. *International Journal of Intelligent Information and Database Systems*, 9(1), 1-14. (EI)
- Chien-wen Shen, Shih-Hsuan Chu (2014, December). Web 2.0 and Social Networking Services in Municipal Emergency Management: A Study of U.S. Cities. *Journal of Universal Computer Science*, 20(15), 1995-2004. (SCI)
- Chien-wen Shen, Chin-Jin Kuo (2014). Analysis of social influence and information dissemination in social media: The Case of Twitter. *Lecture Notes in Computer Science*, 8838, 526–534. (EI)
- Chien-wen Shen, Yen-Chun Jim Wu, Tsung-che Lee (2014, January). Developing a NFC-equipped smart classroom: Effects on attitudes toward computer science. *Computers in Human Behavior*, 30, 731-738. (SSCI)
- Chien-wen Shen, Ching-chih Chou (2013, October). A time series analysis of the dynamic competition between major cargo airports. *Transportation Planning and Technology*, 36(7), 567-580. (SCI)
- Chien-wen Shen, Heng-Chi Lee, Ching-Chih Chou (2013, September). Measuring dynamic competitiveness among container ports: an autoregressive distributed lag approach. *International Journal of Shipping and Transport Logistics*, 5(6), 637-651. (SSCI)
- Vincent F. Yu, Ha Thi Xuan Chi, Chien-wen Shen (2013, August) Ranking fuzzy numbers based on epsilon-deviation degree. *Applied Soft Computing*, 13(8), 3621-3627. (SCI)
- Vincent F. Yu, Ha Thi Xuan Chi*, Luu Quoc Dat, Phan Nguyen Ky Phuc, Chien-wen Shen (2013, September). Ranking generalized fuzzy numbers in fuzzy decision making based on the left and right transfer coefficients and areas. *Applied Mathematical Modelling*, 37(16-17), 8106-8117. (SCI)
- Chien-wen Shen, Heng-Chi Lee, Ching-Chih Chou (2013, May). Competition analysis of cargo transport service: evidence from U.S. airports. *Advances in Information Sciences and Service Sciences*, 5(10), 470-478. (Scopus).
- Chien-wen Shen, Ming K Lim, Chiao-Chun Cheng (2012, July). Technological innovation in electronic inventory solutions: An analysis of patent data. *International Journal of Digital Content Technology and its Applications*, 6(13), 98-106. (EI)
- Chien-wen Shen, Ping-Yu Hsu, Yen-Ting Peng (2012). The Impact of data environment and profitability on business intelligence adoption. *Lecture Notes in Artificial Intelligence*, 7197, 185-193. (EI)
- Chien-wen Shen, Ming-Town Lee, James Perng, Carrie Wen (2012, March). Decision analysis of EPC compliant electronic seals for in-transit container transport. *Advanced Science Letters*, 7, 521-525. (Scopus)
- Chien-wen Shen, Pao-Yi Peng, Hsiu-Heng Lin (2012, March). Information processing needs and capabilities of B2B Systems in book publishing industry. *Journal of Computers*, 7(4), 785-791. (EI)

- Chien-wen Shen, Ming-Town Lee, James Perng, Carrie Wen (2011, July). An automatic container tracking system with the application of passive electronic seals and EPCglobal network. *ICIC Express Letters: An International Journal of Research and Surveys*, 5(7), 2143-2148. (EI)
- Chien-wen Shen, Ming Jen Cheng, Cheng-Wu Chen, Feng-Ming Tsai, Yu-Chenr Cheng (2011, February). A fuzzy AHP-based fault diagnosis for semiconductor lithography process. *International Journal of Innovative Computing, Information and Control*, 7(2), 805-815. (SCI)
- Chien-wen Shen (2011, April). Fault diagnosis for e-Seal unreadability using learning Bayesian networks. *ICIC Express Letters: An International Journal of Research and Surveys*, 5(4), 1417-1421. (EI)
- Chien-wen Shen, Heng-Chi Lee, Ching-Chih Chou, Chiao-Chun Cheng (2011, April). Data mining the data processing technologies for inventory management. *Journal of Computers*, 6(4), 784-791. (EI)
- Chien-wen Shen, Chih-Hsin Lo (2010). Causality analysis of dry bulk cargo freight and BRIC economic growth. *The Global Studies Journal*, 3(4), 141-148.
- Chien-wen Shen, Yu-Yih Song, Yi-Chun Chen, Yun-Ru Zhang, Zhi-Ying Dai (2010, November). Production smoothing and inventory adjustment in paper Industry. *The Empirical Economics Letters*, 9(11), 1075-1082. (EconLit)
- Chien-wen Shen, Ching-Chih Chou (2010, February). Business process re-engineering in the logistics industry: a study of implementation, success factors and performance. *Enterprise Information Systems*, 4(1), 61-78. (SCI)
- Cheng-Wu Chen, Chien-wen Shen, Chen-Yuan Chen, Ming-Jen Cheng (2010). Stability analysis of an oceanic structure using the Lyapunov method. *Engineering Computations*, 27(2), 186-204. (SCI)
- Chien-wen Shen (2009). A Bayesian networks approach to modeling financial risks of e-logistics investments. *International Journal of Information Technology & Decision Making*, 8(4), 711-726. (SCI)
- Chen-Yuan Chen, Chien-wen Shen, Cheng-Wu Chen, Kevin Fong-Rey Liu, Ming-Jen Cheng (2009). A stability criterion for time-delay tension leg platform systems subjected to external force. *China Ocean Engineering*, 23(1), 49-57. (SCI)
- Chien-wen Shen (2008). Cycle time forecasting models for defect inspection process in TFT-LCD module assembly. *Engineering Letters*, 16(3), 398-405. (EI)
- Chien-wen Shen (2008). Temporal aggregation and the production smoothing model: evidence from electronic parts and components manufacturing in Taiwan. *Lecture Notes in Electrical Engineering*, 5, 83-94. (EI)

Book Chapters:

- Chien-wen Shen (2009). Assessment of manual operation time for the manufacturing of thin-film transistor liquid-crystal display: a Bayesian approach. *IAENG Transactions on Engineering Technologies*, Vol. 1, 168-177, American Institute of Physics.
- Chien-wen Shen, Ming-Jen Cheng, Ming-Chia Chi. Measurement of production efficiency in semiconductor assembly house: approach of data envelopment analysis. *Engineering the Computer Science and IT*. I-Tech Education and Publishing KG. 2009: 465-475.
- Chien-wen Shen. Financial performance and enterprise resource planning implementation: a study of manufacturers in Taiwan. *Challenges in Information Technology Management*. World Scientific. 2008: 99-105.

Conference Papers:

- Chien-wen Shen, Jung-tsung Ho, Ting-Chang Kuo, Thai Ha Luong (2017, April). Behavioral Intention of Using Virtual Reality in Learning. In *Proceedings of the 26th International Conference on World Wide Web Companion* (pp. 129-137). International World Wide Web Conferences Steering Committee.
- Chien-wen Shen, Chin-Hsing Hsu (2017). An Integrated Health Care Service System for the Elderly and Chronic Patients. *The 1st Conference on Healthcare, SDGs & Social Business*, February 21, 2017, Tokyo, Japan.
- Chien-wen Shen, Yen-Ting Peng (2016). Recent Trends of Social Business on Twitter Microblogging. *Social Business Academia Conference 2016*, November 9-10, Paris, France.
- Chien-wen Shen, Chao-Neng Wang (2016). Bayesian analysis of the production smoothing and inventory adjustment behavior: A case study in electronic parts and components industry. *Proceedings - 2016 4th International Symposium on Computational and Business Intelligence*, pp. 54-58, Olten, Switzerland.
- Chien-wen Shen, Ching-Chih Chou (2015). Temporal Causality between Dry Bulk Freight and Crude Oil Price. *International Association of Maritime Economists Conference 2015*, August 24-26, Kuala Lumpur, Malaysia.
- Chien-wen Shen, Ching-Chih Chou, Yen-Chun Jim Wu (2015). Temporal Relationships between Coal Prices and Baltic Dry Index. *20th International Symposium on Logistics*, July 5-8, Bologna, Italy.
- Chien-wen Shen (2014). A multiple objective decision support model for the selection of location and tracking technology solutions at automated container terminals. *International Association of Maritime Economists Conference 2014*, July 15-18, Norfolk, Virginia, USA.
- Chien-wen Shen, Yu-Yih Song (2014). A decision support model for the assessment of global logistics configurations. *19th International Symposium on Logistics*, July 6-9, Ho Chi Minh, Vietnam.
- Chien-wen Shen, Yen-Chun Jim Wu, Tsung-che Lee (2013). NFC-Based Automatic Positioning and Real-Time Feedback System for College Education. *6th World Summit on the Knowledge Society*, June 19-21, Aveiro, Portugal.
- Chien-wen Shen (2013). Evaluating location and tracking systems for security improvement of transshipment processes at container terminals. *The Transportation Research Board 92th Annual Meeting*, January 13-17, Washington, D.C., USA.
- Chien-wen Shen, Ching-Chih Chou (2012). On the measurement of dynamic competitiveness among container ports: an autoregressive distributed lag approach. *The 2012 International Association of Maritime Economists Conference*, September 6-8, Taipei, Taiwan.
- Chien-wen Shen, Ching-Chih Chou (2012). Variance decomposition and impulse response analysis of cargo throughputs between U.S. airports. *The Transportation Research Board 91th Annual Meeting*, January 22-26, Washington, D.C., USA.
- Chien-wen Shen, Chiao-Chun Chen (2011). Assessing the data processing innovations for inventory management with patent analysis. *Proceedings - 5th International Conference on New Trends in Information Science and Service Science, NISS 2011*, 324-327, October 24-26, Macau, China. (EI)

- Chien-wen Shen, Ching-Chih Chou (2011). Analysis of directed influences between U.S. air cargo hubs from time series approaches. *The 16th International Symposium on Logistics*, July 10-13, Berlin, Germany.
- Chien-wen Shen, Ping-Yu Hsu, Pao-Yi Peng, Hsiu-Heng Lin (2011). Risk analysis of B2B systems in book supply chain from the perspective of information processing needs. *Proceedings - 4th International Conference on Intelligent Computation Technology and Automation, ICICTA 2011*, pp.1114-1117, March 28-29, Shenzhen, China. (EI)
- Chien-wen Shen, Heng-Chi Lee, Ching-Chih Chou, Yu-Cheng Liu (2011). Autoregressive modelling of container port traffic from an economic perspective. *The Transportation Research Board 90th Annual Meeting*, January 23-27, Washington, D.C., USA.
- Chien-wen Shen, Chien-Cheng Chen, Mohammad Shadab Khalil (2011). Analysis of technical and financial environments for business intelligence implementation. *2011 International Conference on the Development and Practice of Enterprise Resource Management*, January 18, Taipei, Taiwan.
- Chien-wen Shen, Chih-Hsin Lo (2010). Causality analysis of dry bulk cargo freight and BRIC economic growth. *The Third Global Studies Conference*, June 21-23, Busan, Korea.
- Chien-wen Shen, Yu-Chun Huang (2009). The relationships among globalization, supply chain integration, and business performance: evidence from Taiwan manufacturers. *Proceedings of the 14th International Symposium on Logistics*, pp.502-507, July 5-8, Istanbul, Turkey.
- Po-Sheng Ko, Chien-wen Shen, Cheng-Chung Wu, Ming Jen Cheng (2009). A study of mortgage-backed securities by default risk evaluation on banking industry. *Proceedings of the 17th Annual Conference on Pacific Basin Finance, Economics, Accounting and Management*, July 1-2, Bangkok, Thailand.
- Chien-wen Shen (2008). Assessing the financial risks of e-logistics implementation in transport and logistics sectors. *Proceedings of the 2008 International Conference on e-Risk Management*, pp.14-19, June 27-30, Nanjing, China.
- Chien-wen Shen (2008). Bayesian estimation of defect inspection cycle time in TFT-LCD module assembly process. *Proceedings of the International MultiConference of Engineers and Computer Scientists 2008*, pp.1553-1558, March 19-21, Hong Kong.
- Chien-wen Shen (2007). Effect of business process reengineering on logistics performance: A case study of Taiwan, *Proceedings of the 2007 IEEE International Conference on Automation and Logistics*, pp.2887-2890, Aug. 18-21, Jinan, China. (EI)
- Chien-wen Shen (2007). A strategic study for scheduled highway bus service to cope with the operation of Taiwan high speed railway. *Conference on Transportation Engineering 2007: Proceedings of the First International Conference*, Vol. 1, pp. 7-12, July 21-23, Chengdu, China. (EI)
- Chien-wen Shen, Chao-Fa Chen (2007). Prediction of defect inspection cycle time in TFT-LCD panel manufacturing. *Proceedings of the 8th Asia Pacific Industrial Engineering and Management System*, Dec. 9-12, Kaohsiung, Taiwan.
- Chien-wen Shen, Chao-Neng Wang (2007). Production smoothing study of the electronic parts and components industry in Taiwan. *Proceedings of the*

International MultiConference of Engineers and Computer Scientists 2007, 2032-2037, March 21-23, Hong Kong.

- Chien-wen Shen, Yung-Hsuan Chen, Tsung-Yeh Yu, Kun-Mei Yang, Kuan-Yu Chen (2007). The impact of enterprise resource planning implementation on financial performance: a study of Taiwan. *Proceedings of International Conference on Information Technology and Management 2007*, 338-344, Jan. 3-5, Hong Kong.
- Chien-wen Shen, Yu-Chun Huang (2006). Effect of supply chain integration on globalization and performance: a study of manufacturers in Taiwan. *Proceedings of 2006 International Congress on Logistics and SCM Systems*, G21-G28, May 1-2, Kaohsiung, Taiwan.