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Education

- PhD, Business Management, National Cheng Kung University, 2002/11
- Master, Department of Information Management, National Central University, 1994/7

Area of Specialty

- Decision Modeling
- Statistics Modeling
- Data Modeling
- Decision Support Systems

Academic Experience

- Associate Professor, Department of Information Management, Southern Taiwan University, 2003/8~Now
- Associate Professor, Department of Information Management, Kun Shan University, 2002/11~2003/7
- Instructor,
Department of Information Management, Kun Shan University, 1997/8 to 2002/10
Department of Information Management, Far East University, 1996/9 to 1997/7

Publications

Journal Papers:

1. Wang, Mei-Hsiang*, **Tarng-Yao Yang**, and Chih-Cheng Wei (2016), "Creating Social Networking Environment for Workers through a Mean-End Chains Model: Knowledge Collaboration and Productivity Perspective," *Journal of E-Business*, (Accepted). [TSSCI] (MOST 103-2410-H-218-024).
2. Wang, Mei-Hsiang*, **Tarng-Yao Yang**, Yi-Shiou Chen (2016), "How Workers Engage in Social Networking Sites at Work: A Uses and Gratification Expectancy Perspective," *International Journal of Organization Innovation*, 8 (4), 161-176. [EI] (MOST 102-2410-H-218-005).

3. Wang, Mei-Hsiang*, **Tarng-Yao Yang** (2016), "Investigating the Success of Knowledge Management: An Empirical Study of Small- and Medium- Sized Enterprises," *Asia Pacific Management Review*, 21(2), 79-91. [TSSCI] (NSC 97-2410-H-218-005).
4. Wang, Mei-Hsiang*, and **Tarng-Yao Yang** (2015), "Explaining Team Creativity through Team Cognition Theory and Problem Solving based on Input-Mediator-Output Approach," *Journal of E-Business*, 17 (1), 91-138. [TSSCI] (MOST 101 2410-H-218-009).
5. Wang, Mei-Hsiang*, Shih-Che Lin and **Tarng-Yao Yang** (2012), "Understanding the Antecedents of Team Performance: The Importance of an Expertise-Centered Coordination," *Asia Pacific Management Review*, 19 (2), 151-172. [TSSCI](NSC99-2410-H-218-007).
6. Wang, Mei-Hsiang, Chen-Fen Huang* and **Tarng-Yao Yang** (2012), "Acceptance of Knowledge Maps: An Empirical Examination of System Characteristics and Knowledge Map Self-efficacy," *Asia Pacific Management Review*, 17 (3), 265-284. [TSSCI](NSC97-2410-H-218-005)
7. Wang, Mei-Hsiang, Chen-Fen Huang* and **Tarng-Yao Yang** (2012), "The Effect of Project Environment on the Relationship between Knowledge Sharing and Team Creativity in Software Development Context," *International Journal of Business and Information (IJBI)*, 7 (1), 59-80. [ABI](NSC96-2416-H-218-013)
8. Wang, Mei-Hsiang* and **Tarng-Yao Yang** (2012), "Measuring Team Creativity in an Information Systems Development Context: Scale Development and Validation," *Journal of Southern Taiwan University of Science and Technology*, 37 (2), 1-12. (NSC96-2416-H-218-013)
9. Wang, Mei-Hsiang* and **Tarng-Yao Yang** (2011), "The Relationships between Knowledge Management Mechanisms and Organizational Effectiveness from the View of Balanced Scorecard," *Journal of Southern Taiwan University of Science and Technology*, 36 (4), 63-78. (in Chinese)
10. Wang, Mei-Hsiang*, **Tarng-Yao Yang** and Po-Chun Liu (2010) "The Impact of Knowledge Sharing and Projects Complexity on Team Creativity: An Example of Information Systems Development," *Journal of E-Business*, 12(1), 73-102. [TSSCI] (in Chinese)
11. Wang, Mei-Hsiang*, **Tarng-Yao Yang** and Kuo-Chan Huang (2009) "The Impact of Knowledge Sharing Types and Team Learning Capability on Team Creativity," *Journal of Information Management*, 16(1), 181-202. [TSSCI] (in Chinese) (NSC96-2416-H-218-013)
12. Wang, Mei-Hsiang, **Tarng-Yao Yang** and Chao-Sen Wu (2006) "The Impact of ISD Team Members' Self-efficacy, Team Interaction and Team Trust on Team Effectiveness: The Mediating Effect of Knowledge Sharing," *NTU Management Review*, 16(2), 73-100. [TSSCI] (in Chinese) (NSC93-2416-H-218-016)

Conference Papers:

1. Wang, Mei-Hsiang, **Tarng-Yao Yang**, and Li-Wei Chang (2015) "Sharing Knowledge through Social Networking Sites in System Development Projects," International Conference on Internet Studies, Japan, July. 18-19. (MOST 103-2410-H-218-024)
2. Wang, Mei-Hsiang, Tung-Ming Koo, **Tarng-Yao Yang**, and Huey-Yeh Lin (2014) "Findings on SNSs at Workplace: An Integrated Framework of Motivation Theory and Uses and Gratifications Expectancy Theory," 2014 International Business Conference in San Francisco, USA, Oct. 4. (NSC 102-2410-H-218-005)
3. Wang, Mei-Hsiang, **Tarng-Yao Yang**, and Yi-Shiou Chen (2013) "Workers' Use of Social Networking Sites(SNS) in Taiwan," The Ninth International Conference on Knowledge-Based Economy & Global Management, Tainan, Taiwan, November 7-8. (NSC 102-2410-H-218-005)
4. **Yang, Tarng-Yao**, Mei-Hsiang Wang, and Chen-Fen Huang (2013), "Exploring Team Creativity from Team Cognition Theory and Problem Solving Perspective," International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology, Kitakyushu, Japan, April 3- 5. (NSC 101-2410-H-218-009)
5. Wang, Mei-Hsiang, Chen-Fen Huang, and **Tarng-Yao Yang** (2012), "Antecedents and Consequences of Team Knowledge in Software Development Projects," International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology, Hong Kong, March 30- April 1. (NSC99-2410-H-218-007)
6. **Yang, Tarng-Yao**, Chen-Fen Huang, and Mei-Hsiang Wang (2011) "Investigating the success of knowledge management systems: An empirical study of IS professional in Taiwan," International Conference on Business and Information, Bangkok, Thailand, July 04-06. (NSC97-2410-H-218-005)
7. **Yang, Tarng-Yao** and Yi-Wen Fu (2011), "A Study on Influence of Self-Referencing on Blog Marketing" The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 30.
8. **Yang, Tarng-Yao** and Hung-Cheng Lin (2011), "A Study on the Relationships among Service Quality, Satisfaction, Cognitive Value, Community Consciousness and Community Cohesion of Digital Opportunity Centers" The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 30.
9. **Yang, Tarng-Yao** and Min-Ching Wu (2011), "The Influence of Student Service Centers' Service Quality and School The Influence of Student Service Centers' Service Quality and School Image on Students' Satisfaction: A Case Study of the STUT" The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 30.
10. **Yang, Tarng-Yao** and Chao-Hung Huang (2011), "A Study on Relationship Between Knowledge Management and Organizational Effectiveness of Digital Opportunity Centers in Taiwan" The E-Learning and Information Technology Symposium, Tainan,

Taiwan, March 30.

11. **Yang, Tarnng-Yao** and Jun-Yi Xu (2010), "Applied Delphi Technique and Analytic Network Process to Construct the Performance evaluation model of Digital Opportunity Centers in Taiwan", BAI 2010 International Conference on Business and Information, Kitakyushu, Japan, 05-07 July.
12. **Yang, Tarnng-Yao** and Shih-Ching Yang (2010), "Applied Data Envelopment Analysis to Evaluate Efficiency of Digital Opportunity Centers," The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 31.
13. **Yang, Tarnng-Yao** and Wen-Ying Lee (2010), "The Study on Encapsulation of Zero Code Website Design Using Ontology," The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 31.
14. **Yang, Tarnng-Yao** and Ting-Chi Chen (2010), "The Development of Automatic Zero Code Electronic Commerce Websites Based on Open Source Code," The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 31.
15. **Yang, Tarnng-Yao** and Hsun-Yao Chang (2010), "A Study on Internet Marketing for Digital Opportunity Centers," The E-Learning and Information Technology Symposium, Tainan, Taiwan, March 31.
16. Wang, Mei-Hsiang, Chen-Fen Huang, **Tarnng-Yao Yang** and Yi-Na Wu (2010), "Measuring Team Creativity in an Information Systems Development Context: Scale Development and Validation," International Conference on e-Commerce, e-Administration, e-Society, and e-Education, Macau, China, January 25-27. (NSC96-2416-H-218-013)
17. Wang, Mei-Hsiang, Chen-Fen Huang, and **Tarnng-Yao Yang** (2009), "The Impact of Knowledge Sharing and Projects Complexity on Team Creativity in Taiwan's Information Systems Development Teams," International Conference on e-Commerce, e-Administration, e-Society, and e-Education, Singapore, January 8-10. (NSC96-2416-H-218-013)
18. Wang, Mei-Hsiang, Chen-Fen Huang, and **Tarnng-Yao Yang** (2008), "Extending the TAM for Knowledge Maps: An Example of Virtual Community," International Conference on Business and Information, South Korea, July 07-09.

Dissertation:

- **Yang, Tarnng-Yao** (2002) "An Experimental Analysis on the Interaction Between Customers and Customer Relationship Management Systems," Ph.D. Dissertation, National Cheng Kung University.

Grants

1. Ministry of Science and Technology, No: MOST 104-2511-S-218-007, "The Innovative Teaching Model Based on Mobile Software with Combining Visual Graphic Materials

and Peer Tutoring Strategies Applied to Statistics Course at College,” 2015/11/01~2016/10/31.

2. Ministry of Science and Technology, No: MOST 103-2622-H-218-004-CC3, “The Extended ERP Applications Integrated into Production Operations and Production Decisions,” 2014/11/01~2015/10/31.
3. National Science Council, No: 98-2622-H-218-002-CC3, “The Research and Development of B2C Electronic Marketplace Possessed of Multi-merchants Platform,” 2009/7/1~2010/6/30.
4. National Science Council, No: 92-2416-H-218-013, “A Schema-directed Conceptual Query Language Based on Structured Modeling,” 2003/8/1~2004/7/31.

Entrusted Practical Projects

1. Ministry of Economic Affairs, No: 331050234, Application of ERP in the System of Mobile Production, 2016/05/27~2016/10/26.
2. Ministry of Economic Affairs, No: 331050207, Intelligent auto parts manufacturing chain integration counseling to enhance the program, 2016/05/01~2016/10/31.
3. Ministry of Economic Affairs, No: 331040360, Steam locomotive electrical components and precision machinery cross-field technical guidance to enhance the program, 2015/05/01~2015/10/31.
4. Ministry of Economic Affairs, No: 331040361, Steam locomotive electrical components and precision machinery cross-field technical guidance to enhance the program, 2015/05/01~2015/10/31.

Professional Certifications

1. Cloud Technology and Internet Services, Professionals, 132160800001750, Computer Skills Foundation, 2016/8.
2. Fundamentals of APP for e-Business MIT App Inventor 2.0, Chinese Enterprise Resource Planning Society, CERPS1504823, 2015/6.
3. Applications of Mobile Device, No. 132141200000730, Chinese Computer Education Association, 2014/11.
4. e-Enterprise Planner, No. 411120200000410, Computer Skills Foundation, 2012/2.

Academic and Professional Service

1. Committee Members, National Kaohsiung University of Applied Sciences Department of Information Management, 2011~.
2. Committee Members, National YunTech University Department of Information Management, 2011~.
3. Committee Members, National Formosa University Department of Finance, 2011~.

Patents

1. YANG, TARNG-YAO; WEN, CHIH-YEN; KUO, YU-RONG; HUANG, YI-SHUN; CHANG, CHUN-TANG; KUO, GEN-MING, Information disclosure system integrating positioning coordinates into doorplate and method thereof, I557668, 2016/11/11~ 2035/08/26.
2. YANG, TARNG-YAO; KUO, TEN-YU; GUO, GEN-MING, Multi-functional simulation system and intelligent watch using the system, M511074, 2015/10/21~2025/06/01.
3. YANG, TARNG-YAO; TENG, CIAO-TING; CAI, YING-YING; GUO, GEN-MING, Pushing cap type wet tissue box, M463104, 2013/10/11~2023/05/21.
4. YANG, TANG-YAO; JIAN, XIAO-CHENG; XIAO, ZHI-HONG; GUO, GEN-MING, Electronic device with a loss-proof management module, M459475, 2013/08/11~2022/06/27.
5. YANG, TANG-YAO; CHEN, ZU-DE; XIAO, ZHI-HONG; GUO, GEN-MING, Helmet with Bluetooth module, M449474, 2013/04/01~2012/06/28.
6. YANG, TANG-YAO; XIE, DONG-JIN; GUO, JIAN-MING, Hot water bottle, M448654, 2013/03/11~2022/10/16.