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### Education

- \* PhD, Department of Industrial and Information Management, National Cheng Kung University, 2003/10

### Area of Specialty

- SCM, Market Research, ERP, Patent Analysis, ISO Quality Auditing Certification

### Academic Experience

- \* Associate Professor, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2013/02 to present
- \* Assistant Professor, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2003/10 to 2014/2
- \* Visiting Scholar, Department of Industrial and Manufacturing Systems Engineering, Kansas State University, 2009/1~2009/10

### Journal Papers

1. Thi Ngoc Thuy Doan, Chia-Hua Chang\*, 'Exporting and Technological Innovation: Evidence from Southeast Asia', *Journal of Entrepreneurship, Business and Economics*, Vol. 10(1), 277-293, 2022.
2. Thi Hong Nhung Nguyen, Chia-Hua Chang\*, Ping-Chen Tsai, 'Probability-based Capacity Factor in Uncertainty Analysis of Electricity Cost for Individual Wind Projects: a Novel Approach', *International Journal of Energy Research*, Vol. 46(2), 2021. (SCIE)
3. Thuy Doan Thi Ngoc and Chang, Chia-Hua\*, 'Gender and Innovation in Southeast ASIA: The Moderating Role of Absorptive Capacity', *Journal of Asian Finance, Economics and Business*, Vol. 8(6), 0169-0177, 2021. (ESCI)
4. Chang, Chia-Hua\* and Nguyen-Van, Dung. 'Human Capital and Firm Innovation: New Evidence from ASEAN Countries', *Romanian Journal of Economic Forecasting*, Vol. 24(3), 52-71, 2021. (SSCI)
5. Chang, Chia-Hua\* and Almaghalsah, Husam, 'Taiwan's E-Government Usability from Foreign Perspective and Website Accessibility amid COVID-19 Pandemic', *Journal of Business and Behavioural Entrepreneurship*, Vol.5(1), 16-41, 2021.
6. Nguyen-Van, Dung and Chang, Chia-Hua\*. "Foreign Technology Licensing and Firm Innovation in ASEAN: The Moderating Role of Employee Training and R&D", *The Singapore Economic Review*, Accepted, 2020. (SSCI)
7. Nguyen-Van, Dung and Chang, Chia-Hua\*. "Internationalization and Product Innovation in ASEAN: The Moderating Role of Organizational Innovation", *Managerial and Decision Economics.*, Accepted, 2020. (SSCI)
8. Nguyen-Van, Dung and Chang, Chia-Hua. "Organizational Innovation, R&D and Product Innovation: Firm-Level Evidence from ASEAN Countries", *Journal of Entrepreneurship, Business and Economics*, Vol. 8(1), 54-76, 2020. (EconLit)
9. Chang, Chia-Hua and Almaghalsah, Husam. "Usability Evaluation of E-Government Websites: A Case Study from Taiwan", *International Journal of Data and Network Science*, Vol. 4, 127-138, 2020. (SCOPUS)

10. Fouad, Tamer Z., Chang, Chia-Hua\* and Huang, Yu-Chuan. "The Influence of Media Exposure and Trust on Youth Attitude Towards Greener Tainan", *International Journal of Innovation and Sustainable Development*, Accepted, 2020. (ESCI/SCOPUS)
11. Fouad, Tamer Z., Chang, Chia-Hua\* and Huang, Yu-Chuan. "AACSB Assurance for STUST Quality and Competitiveness: Balanced Scorecard Roadmap", *Journal of International Education in Business*, Accepted, 2020. (ESCI/SCOPUS)
12. Nguyen-Van, Dung and Chang, Chia-Hua. "Foreign Ownership, R&D and Firm Innovation in ASEAN Countries: A Generalized Ordered Logit Model", *Management Dynamics in the Knowledge Economy*, Vol. 7(4), 521-534, 2019. (EconLit)
13. Chang, Chia-Hua\* and William, Louis. "A Peer-to-Peer Motive Analysis for Potential Growth of the Sharing Economy in Taiwan", *Journal of Southern Taiwan University of Technology*, Vol. 4(2), 82-111, 2019.
14. Chang, Chia-Hua\* and Le, Manh Huy. "Exploring The Impacts of Service Quality of Customer Satisfaction: A Case of Platinum Cinema in Ha Noi", *International Journal of Management and Applied Science*, Vol. 4(10), 88-94, 2018.
15. Chia-Hua Chang, Nguyen Xuan Tho," The Effect of Service Quality Perception on Two Key Manifestations of Attitudinal Loyalty", *International Journal of Behavioral Science*, Vol.13, Iss.1, pp.68-81, 2018.
16. Chia-Hua Chang, Nguyen Xuan Tho," The effects of Familiarity and Positive Recommendation on Repurchase Intention: The Mediating Role of Trust", *Pacific Business Review international*, In Press, 2017.
17. Chia-Hua Chang, Nguyen Xuan Tho," Adverting Message and Negative Switching Barrier: Effects on Repurchase Intention and Word-of-Mouth", *Journal of Management, Marketing and Logistics*, Vol.4, Iss.4, pp.141-148, 2017.
18. JrJung Lyu, Chia-Hua Chang\*, "Exploring Business Models for Application Service Providers with Resource Based Review", *International Journal of Industrial Engineering: Theory, Applications and Practice*, In Press, 2014.(SCI, Corresponding author)
19. Chia-Hua Chang, "A Novel Self- Adaptive Bayesian Belief Network with Information Entropy for Leveraging Decision Consensus among Multi-Agents", *Journal of Information Science and Engineering*, Vol.29 , Iss.5, pp.1037-1053, 2013.(SCI)
20. Chia-Hua Chang, "An Intelligent Supplier Selection System based on Self Organizing Map, Rough Set Theory, and Bayesian Belief Network", *International Journal of Electronic Business Management*, 2013, Vol. 11, Iss.2, pp.100-112.(EI,ABI)
21. Chia-Hua Chang, "Applying RBT to Evaluate the 3D IC Strategies of CMOS Image Sensor IDMs", *World Review of Business Research*, Vol.2, Iss.6, pp.1-25, 2012.(indexed by Cabell's Directory)
22. Chia-Hua Chang, "Adapting Postponement Strategies with Respect to the Profiles of Environment", *International Journal of Electronic Business Management*, Vol.9, Iss.3, pp.211-219, 2011.(EI,ABI)

#### Conference Papers

1. Thi Hong Nhung Nguyen, Chia-Hua Chang\*, Ping-Chen Tsai, Hsiao-Jung Chen, "COMPARATIVE ANALYSIS OF ESTIMATING CAPACITY FACTOR FOR WIND ENERGY: AN APPLICATION", *The 11th IEEE & 12th 2023 The International Conference on Science, Education, and Viable Engineering (12th ICSEVEN 2023)*, Osaka, Japan.
2. Thi Hong Nhung Nguyen, Chia-Hua Chang, Ping-Chen Tsai,"Levelized Cost of Electricity (LCOE) of Wind Energy under Uncertainty: Case Studies in Taiwan and Vietnam", *The 16th International Conference on Knowledge-Based Economy and Global Management*, Tainan, Taiwan (2020)
3. Tamer Z. Fouad, Chang Chia-Hua, Yu-Chuan Huang," The Influence of Media Exposure and Trust on Youth Attitude towards Greener Tainan", *1st International Conference on Poverty & Sustainable Society (ICOPSS 2018)*, Kelantan, Malaysia.
4. Tamer Z. Fouad, Chang Chia-Hua, Yu-Chuan Huang," ACHIEVING QUALITY IMPROVEMENT AND COMPETITIVE ADVANTAGE VIA QUALITY ASSURANCE: STUST ACCREDITATION BY AACSB", *14th*

INTERNATIONAL CONFERENCE ON KNOWLEDGE-BASED ECONOMY AND GLOBAL MANAGEMENT, Tainan, 2018.

5. Chia-Hua Chang, Le Manh Huy," Exploring the Impacts of Service Quality on Customer Satisfaction: A Case of Platinum Cinema in HA NOI", 417th International Conference on Science, Social Science and Economics(IC3SE), Tokyo, Japan, 2018.
6. Chia-Hua Chang, Nguyen Xuan Tho," Customer Perception of Service Quality in Vietnamese Mobile Telecommunication Market", The 13th International Conference on Knowledge-Based Economy and Global Management, Tainan, R.O.C., 2017.
7. Chia-Hua Chang, Javkhlan Ganbold (2016)," Factor Affecting Service Quality on Customer Satisfaction: GOVI Cashmere Department Store in Ulaanbaatar Mongolia", 2016 Industrial Management and Information Application Innovation Conference, Tainan, R.O.C.
8. Chia-Hua Chang (2015)" Satisfaction Evaluation of Customers with Multi-phase perspectives on application service providers", International Academic Conference in Paris (IACP), Paris, France.
9. Chia-Hua Chang (2014)" Applying Resource Based Theory to Evaluate the 3D IC Application of CMOS Image Sensor Manufacturers", 7th Annual London Business Research Conference, London, UK.
10. Chia-Hua Chang, Wan-Tzu Lee, (2012)," Studying the IMOD Display Technology (MIRASOL) Trend of Color Electronic Paper Industry with Patent Analysis", 2012 Proceedings of the 8th International Conference on Knowledge-based Economy and Global Management, Tainan, Taiwan.
11. Chia-Hua Chang (2011)," Adapting Postponement Strategies with Respect to the Profiles of Environment", International Conference on Innovation and Management, Kuala Lumpur, Malaysia.
12. Chia-Hua Chang, Yi-Ting Lin (2011)," Employ SCOR Model to Explore the Supply Chain of CMOS Image Sensor applying TSV Technology",the 14th Decision Analysis Symposium, HsiChu, R.O.C. (In Chinese)
13. Chia-Hua Chang, Wei-Wen Lin (2011)," Using Patent Analysis to explore the Current Market of 3D IC",the 14th Decision Analysis Symposium, HsiChu, R.O.C.(In Chinese)
14. Chia-Hua Chang, Tien-Che Yang (2010)," Patent Analysis and Knowledge Mapping for Semiconductor Integrated Device Manufacturers", Academic Conference of Global Business Management, Tainan, R.O.C.(In Chinese)
15. Chia-Hua Chang, Yu-Lian Chen (2010)," Constructing a Decision Support System for Leveraging Auditing Procedures", Annual Conference of Industrial Engineering and Management, Tainan, R.O.C.(In Chinese)
16. Chia-Hua Chang, Chia-Ho Lin (2009)," Employing System Thinking to Explore Open Innovation Front End Strategies of Product Development", 2009 Southern Districts Conference for Master Thesis, Tainan, R.O.C. (In Chinese)
17. Chia-Hua Chang, (2008),"Construct Resource Based Evaluation Model for Application Service Providers", 2008 Proceedings of the 18th ACME International Conference on Pacific Rim Management, Toronto, Canada.
18. Chia-Hua Chang, Ching-Lu Chiu and Hsien-Tsung Liao (2008)," Construct Resource Based Evaluation Model for Application Service Providers", 2008 Proceedings of the 18th ACME International Conference on Pacific Rim Management, Toronto, Canada.

#### **Dissertation**

- Chang, Chia-Hua (2003) 'Mechanism for Intelligent Agents to communicate, adaptive learning, probabilistic reasoning and coordinate decisions among groups', Ph.D. Dissertation, National Cheng Kung University.

#### **Books**

1. Chang, Chia-Hua, (2017), Supply Chain Management, ISBN: 978-986-280-363-9, Taichung: TsangHai. (In Chinese)

2. Tang, Jing-Jhou, Chang, Chia-Hua, Hsu, Jan-Lian (2010), the Design Perspectives From 2D SOC to 3DIC (I)–Market Trends, ISBN: 978-986-6184-11-6, Taichung: TsangHai. (In Chinese)
3. Tang, Jing-Jhou, Chang, Chia-Hua, Hsu, Jan-Lian (2010), the Design Perspectives From 2D SOC to 3DIC (II)–Technology Trends, ISBN: 978-986-6184-13-0, Taichung: TsangHai. (In Chinese)

### Professional Certifications

- Lead Auditor of ISO 9001, Uited Kingdom Accreditation Service (UKAS), U.K.

### Professional Experience

- Consultant of ISO 9001, from 2014 till now.

### Grants

1. MOE Project, '2017 ICT Human Resource Leveraging Project- B Class', No.311060048-GP, 2017/2/1-2018/1/31.
2. SGS Project, 'Consult the transition process to New version of ISO 9001:2015', No.311050397, 2016/9/1-2017/12/31.
3. MIRDC Project, 'Integrated Plan for SME to Implement Industry 4.0', No.311040325, 2015/5/1-2015/10/31.
4. MIRDC Project, 'Integrated Project for Manufacturing and ICT Innovation Value-Added Service for Automobile Part Assembly', No.311030278, 2014/5/1-2014/10/31.
5. MIRDC Project, 'Domain Knowledge Application Leveraging project for Automobile Part Assembly', No.311020219, 2013/6/1-2013/11/30.
6. National Science Council, No: NSC-100-2221-E-218-050- 'A Study on the Possible Value Chain Shift of Semiconductor Industry after Adopting Critical Technology TSV of 3DIC', 2011/8-2012/7.
7. ITRI Project, 'Information Requirement of Ad-STAC', 2011/1-2011/12
8. ITRI Project, 'Information Requirement of Ad-STAC', 2011/1-2011/12
9. MIRDC Project,' the Review of Feasible Methods for Extending Critical Technology of Traditional Garment Pattering', 2010/2~2010/7
10. MIRDC Project, 'the Review of Feasible Methods for Improving R&D and Critical Process of Artificial Fiber Industry', 2010/2~2010/7
11. ITRI Project,' Information Requirement of Ad-STAC', 2009/1-2009/12
12. ITRI Project, 'Constructing a Information Portal of 3D IC Value Chain', 2009/2 -2009/7
13. MIRDC Project,' the Review of Feasible Methods for Leveraging PCB Process', 2009/2-2009/7
14. National Science Council, No: NSC-97-2221-E-218-033- 'Employing a Bayesian Belief Network with the abilities of Information Filtering and Dynamic Adaptation to Construct a Supply Chain Reliability Diagnostic Model', 2008/8-2009/7.
15. National Science Council, No: NSC-95-2221-E-218-029- 'Employing Fuzzy Bayesian Belief Network to facilitate decision making under pervasive uncertainty', 2006/8-2007/7.
16. National Science Council, No: NSC-94-2213-E-218-001- 'Constructing an Adaptive Bayesian Belief Network Based Sequential Decision Support System under the consideration of Releasing Flexible Preference Constraints', 2005/8-2006/7.
17. National Science Council, No: NSC-93-2213-E-218-007- 'Constructing a collaborative process-monitoring Multiagent system with dynamic- adaptation Bayesian Networks', 2004/8-2005/7.