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Education

- PhD, Department of Industrial and Information Management, National Cheng Kung University, 2003/10
- Master, Department of Industrial Engineering, Tunghai University, 1998/7

Area of Specialty

Technology Management, Market Research, ERP, Patent Analysis

Academic Experience

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

Publications

Journal Papers:

1. **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).
2. Victor B. Kreng and **Chia-Hua Chang**, "Bayesian Network Based Multiagent System- Application in E-Marketplace", Computers and Mathematics with Applications, Vol. 46, pp. 429-444, 2003.(SCI)
3. Victor B. Kreng and **Chia-Hua Chang**, "Using Bayesian Networks to facilitate Intelligent Agents to Make Decisions Coordinately", WSEAS Transactions on Computers, Vol.2, Iss.1, pp.148-156, 2003.(ABI)

Conference Papers:

1. **Chia-Hua Chang**, (2004),"Analyzing Postponement/Speculation Strategic Decision Under Demand Uncertainty in a Two-Echelon Supply Chain", 2004 Proceedings of the 14th ACME International Conference on Pacific Rim Management, Chicago.
2. Yichen Lin, **Chia-Hua Chang**, Wei-Ting Yen, Chang-Ling Wei, (2004), "A Case in Collaborative Design of Collaboration Models", 2004 Proceedings of the 14th ACME International Conference on Pacific Rim Management, Chicago.
3. **Chia-Hua Chang**, (2004),"Clustering, Characterizing, and Negotiating within supply chains to Optimize Supplier Selection", 2004 Proceedings of International Conference on Knowledge-Based Economy and Global Management.
4. **Chia-Hua Chang**, (2005),"Dynamic Adaptive BBN for Group Decision Support System", 2005 Proceedings of the 15th ACME International Conference on Pacific

Rim Management, San Diego, USA.

5. **Chia-Hua Chang**, (2006), "A Sequential Decision Support System with Flexible Constraint Satisfaction Bayesian Networks", 2006 Proceedings of the 16th ACME International Conference on Pacific Rim Management, Hawaii, USA.
6. **Chia-Hua Chang**, (2006), "Using Coordinately Adaptive Bayesian Belief Networks to Facilitate On-line Predictive Inspections", 2006 Proceedings of the 16th ACME International Conference on Pacific Rim Management, Hawaii, USA.
7. **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.
8. **Chia-Hua Chang** (2011), "Adapting Postponement Strategies with Respect to the Profiles of Environment", International Conference on Innovation and Management, Kuala Lumpur, Malaysia.
9. **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.
10. **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)
11. **Chia-Hua Chang**, Tien-Che Yang (2010), "Patent Analysis and Knowledge Mining for Semiconductor Integrated Device Manufacturers", Academic Conference of Global Business Management, Tainan, R.O.C. (In Chinese)
12. **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)
13. **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)
14. **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)

Books

1. 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)
2. 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)

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.

Grants

1. 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.
2. 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.
3. 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.
 4. 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.
 5. 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.
 6. ITRI Project, 'Information Requirement of Ad-STAC', 2009/1-2009/12
 7. ITRI Project, 'Constructing a Information Portal of 3D IC Value Chain', 2009/2-2009/7
 8. ITRI Project, 'Information Requirement of Ad-STAC', 2011/1-2011/12
 9. ITRI Project, 'Information Requirement of Ad-STAC', 2011/1-2011/12
 10. MIRDC Project, 'the Review of Feasible Methods for Leveraging PCB Process', 2009/2-2009/7
 11. MIRDC Project, 'the Review of Feasible Methods for Extending Critical Technology of Traditional Garment Patterning', 2010/2~2010/7
 12. MIRDC Project, 'the Review of Feasible Methods for Improving R&D and Critical Process of Artificial Fiber Industry', 2010/2~2010/7

Academic Service

- *Reviewer*, International Journal of Operation Research, 2009/12-2010/02