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Education
- Ph.D. in Information Management. National Sun Yat- Sen University.
- Master in Information Management. National Chiao Tung University.
- Bachelor in Information Science. National Chiao Tung University.

Area of Specialty
- Data Mining, Text Mining, Medical Informatics, Information Management.

Academic Experience
- Professor, Department of Business Administration Southern Taiwan University of Science and Technology, 2010.03 to present
- Associate Professor, Department of Business Administration, Southern Taiwan University of Science and Technology, 2004.07 to 2010.02
- Assistant Professor, Department of Business Administration, Southern Taiwan University of Science and Technology, 2003.08 to 2004.06
- Lecturer, Department of Business Administration, Southern Taiwan University of Science and Technology, 1995.08 to 2003.07

Journal Papers
1. Y.H. Lee, C.P. Wei, P. J. Hu, T. H. Cheng and C. W. Lan, "Small clues tell: a collaborative expansion approach for effective content based recommendations," Journal of Organizational Computing and Electronic Commerce, Vol. 30, No. 2, Feb. 2020, pp.111-128.
2. T. H. Cheng and S. F. Ting, "A knowledge mapping method for teachers' competency of higher vocational institutions," Commerce & Management Quarterly, Vol. 19, No. 4, Dec. 2018, pp.447-477.
3. Y. Jongtae, A. Xu, P. J. Hu, and T. H. Cheng, "Incorporating association rule networks in feature category-weighted naive Bayes model to support weaning decision making," Decision Support Systems, Vol. 96, Apr. 2017, pp.27-38. (SSCI)
4. Y. Jongtae, P. J. Hu, T. H. Cheng, "Role of affect in self-disclosure on social network websites: a test of two competing models," Journal of Management Information Systems, Vol. 32, No. 2, Aug 2015, pp.239-277. (SSCI)
5. Y. H. Lee, P. J. Hu, T. H. Cheng, T. C. Huang, W. Y. Chuang, "A pre-clustering-based ensemble learning technique for acute appendicitis diagnoses," Artificial Intelligence in Medicine, Vol. 58, No. 2, March 2013, pp.115-124. (SCI)
6. Y. H. Lee, P. J. Hu, T. H. Cheng, Y. F. Hsieh, "A cost-sensitive technique for positive-example learning supporting content-based product recommendations in b-to-c e-commerce," Decision Support Systems, Vol. 53, No. 1, April 2012, pp.245-256. (SCI)
7. Y. H. Lee, C. P. Wei, T. H. Cheng, C. T. Yang, "Nearest-neighbor-based approach to time-series classification," Decision Support Systems, Vol. 53, No. 1, April 2012, pp.207-217. (SCI)
8. T. H. Cheng and P. J. Hu, "A data-driven approach to manage the length of stay for appendectomy patients," IEEE Transactions on Systems, Man, and Cybernetics Part A: Systems and Humans, Vol. 39, No. 6, Nov. 2009, pp.1339-1347. (SCI)
9. C. Wei, H. C. Chen, and T. H. Cheng, "Effective Spam Filtering: A Single-Class Learning and Ensemble Approach," Decision Support Systems, Vol. 45, No. 3, June 2008, pp.491-503 (NSC 95-

2416-H-218-019). (SCI, SSCI)

Conference Papers

1. T. H. Cheng, C. Y. Tseng, and S. F. Ting, "The Impact of UCAN Adoption on Curriculum Planning Performance in Universities and Colleges: A FVM perspective," Proceedings of 2020 International Conference on Information Management (ICIM), Chiayi, Taiwan, December, 2020.

2. S. H., Hsu and T. H. Cheng, "Effect of Service Quality of Suburban Community Health Insurance Pharmacy on Customer Repurchase," Proceedings of the 17th Conference on Service Industry Management and Innovation, Tainan, Taiwan, May, 2020.

3. C. H. Cheng and T. H. Cheng, "Integrating Business-Training Programs by Implementing TTQS," Proceedings of the 11th workshop on Southern District Master's Thesis of Management, Tainan, Taiwan, May, 2019.

4. J. Y. Lin, T. H. Cheng, S. F. Ting, and M. S. Liou, "The Relationship between Usages of Electronic Database Resources and the Internship Performance on Clinical Physical Therapy," Proceedings of the 15th Conference on Service Industry Management and Innovation, Tainan, Taiwan, May, 2018.

5. T. H. Cheng, S. C. Chen, and M. J. Kan, "Improving Weaning Protocols with Decision Tree Techniques," Proceedings of International Conference on INTERNET STUDIES (Nets 2018), Taksmatsu, Japan, April, 2018

6. T. H. Cheng and S. F. Ting, "A Competency-Knowledge Mapping Method for Teachers of Higher Education," Proceedings of The Fifth Cross-Strait Forum on Development of Management Education, Yunlin, Taiwan, September, 2017.

7. T. H. Cheng and S. F. Ting, C. Y. Tseng, and Y. H. Tsai, "Knowledge Maps to Support Quality Assurance of Competency-Based Program," Proceedings of 2017 Forum on Service Science Research, Taipei, Taiwan, September, 2017.

8. S. C. Chen, S. Y. Chou, C. W. Hung, and T. H. Cheng, "Applying fuzzy logic to assess the key factors of loyalty in e-shopping environment," Proceedings of The Twelfth International Conference On Knowledge-Based Economy And Global Management, Tainan, Taiwan, November, 2016.

9. T. H. Cheng, S. C. Chen, and T. Hariguna, "The Empirical Study of Usability and Credibility on Intention Usage of Government-to-Citizen Services," Proceedings of International Conference on INTERNET STUDIES (Nets 2016), Osaka, Japan, July, 2016.

10. T. H. Cheng, C. Y. Tseng, and F. H. Huarng, "Exploring The Effect of Knowledge Management System on Development of Program of Competence Model," Proceedings of 2016 International Conference on Information Management, (ICIM2016), Taichung, Taiwan, May, 2016.

11. G. H. Lai, Y. H. Lee, T. H. Chu, and T. H. Cheng, "A Structure Similarity-Based Approach to Malicious Android App Detection," Proceedings of the 19th Pacific Asia Conference on Information Systems (PACIS 2015), Singapore, June, 2015.

12. J. Y. Du and T. H. Cheng, "The Adoption of Knowledge Management Systems by Small-Sized Enterprises," Proceedings of Symposium of technology and practice on teaching for business management, Tainan Taiwan, May, 2015

13. C. H. Shen and T. H. Cheng, "Gap Analysis for Construction of TTQS - A Case Study of A Craft Union," Proceedings of Symposium of technology and practice on teaching for business management, Tainan Taiwan, May, 2015

14. C. Y. Wang and T. H. Cheng, "Prediction of Ventilator Weaning in Intensive Care Unit," Proceedings of the International Conference On Business and Information, Osaka, Japan, Jul, 2014.

15. T. H. Cheng and Y. H. Lee, "Improving Recommendation Performance with User Interest Evolution Patterns," Proceedings of the 18th Pacific Asia Conference on

Dissertation

- A Clustering-based Approach to Document-Category Integration

Professional Certifications

1. Entrepreneurship and Small Business, No: XDzN-XM5F, Certiport, 2018/12
2. MTA-Introduction to Programming Using Python, No: wbBuv-H9MW, Microsoft Technology Associate, 2018/12
3. ERP Application Engineer for Distribution Module, No: EAE10DS01501, Chinese Enterprise Resource Planning Society, 2010/05.
4. Business Intelligence Planner, No: BIP11CE00593, Chinese Enterprise Resource Planning Society, 2010/05.
5. TQC-Advanced level for Excel 2010, Techficiency Quotient Certification, 2012/04.
6. TQC-Advanced level for Word 2007, Techficiency Quotient Certification, 2011/04.
7. TQC-Advanced level for Excel 2007, Techficiency Quotient Certification, 2011/04.
8. TQC-Advanced level for PowerPoint 2007, Techficiency Quotient Certification, 2011/04.
9. Microsoft Office Specialist Master Instructor, Microsoft Certiport, 2009/11.
10. MOS for Microsoft Word, Microsoft Certiport, Microsoft Certiport, 2009/11.
11. MOS for Microsoft Excel, Microsoft Certiport, Microsoft Certiport, 2009/11.
12. MOS for Microsoft PowerPoint, Microsoft Certiport, Microsoft Certiport, 2009/11.
13. MOS for Microsoft Access Microsoft Certiport, Microsoft Certiport, 2009/11.
14. IC3 (Internet and Computing Core Certification), Certiport, Global Digital Literacy Council, 2009/01.
15. TQC-Corporation E-planner (level 1), E-Enterprise Expert Certification- EEC series, 2009/06.

Professional Experience

1. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2021.
2. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2020.
3. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2019.
4. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2018.
5. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2017.
6. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2016.
7. A Project Consultant for Yunlin-Chiayi-Tainan Regional Branch of Workforce Development Agency, Ministry of Labor, 2015.

Grants

1. Ministry of Science and Technology, No. MOST 106-2410-H-218-005, "An Empirical Study of Universities' Adoption of UCAN as Curriculum Mapping Information System: An Extended Fit-Viability Model," 2017.08.01~2018.07.31.
2. Ministry of Science and Technology, No. MOST 105-2410-H-218-003, "Identification Of Competency-Based Knowledge: To Develop A Tool to Map The Present and Required Knowledge For Vocational Higher Education," 2016.08.01~2017.12.31.
3. Ministry of Science and Technology, No. MOST 104-2410-H-218-006, "Knowledge Maps to Support Quality Assurance of Competency-Based Program," 2015.08.01~2016.12.31.
4. Ministry of Science and Technology, No. MOST 103-2410-H-218-009, "Exploring the Effect of Knowledge Management System on Development of Program of Competence Model," 2014.08.01~2015.12.31.
5. National Science Council, No: NSC-102-2410-H-218-018, "Improving Clinical Protocols with Data Mining Techniques," 2013.08.01~2014.07.31.

Entrusted Practical Projects
1. T. H. Cheng and T. H. Wu, 2020, Credit Program for Master's Degree - Financial Management. 31001090076.
2. T. H. Cheng 2020, Credit Program for Master's Degree - Business Management and Philosophy. 31001091001.
3. T. H. Cheng 2019, Credit Program for Master's Degree - Business Management and Philosophy. 33001080118.
4. T. H. Cheng and T. H. Wu, 2019, Credit Program for Master's Degree - Financial Management. 33001080311.
5. T. H. Cheng and T. H. Wu, 2019, Credit Program for Basis of Master's Degree - Basic Management Skills. 33001080095.
6. T. H. Cheng and S. Y. Wang, 2018, Technical Service Project on Assistant Planner Professional License. 33001070059
7. T. H. Cheng and T. H. Wu, 2018, Credit Program for Basis of Master's Degree - Basic Management Skills. 33001070095.
8. T. H. Cheng and T. H. Wu, 2018, Credit Program for Master's Degree - Financial Management. 33001070280.
9. T. H. Cheng and W. R. Shih, 2017, Credit Program for Master's Degree - Financial Management. 321060396.
10. T. H. Cheng and W. R. Shih, 2017, Credit Program for Basis of Master's Degree - Basic Management Skills. 321060119.