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Education

- PhD, Department of Computer Science and Information Engineering, National Cheng Kung University, 2012/1
- Master, Department of Computer Engineering, National Chiao Tung University, 1990/7
- BBA, Department of Computer Engineering, National Chao-Tung University, 1988/6

Area of Specialty

- Data Mining
- Multimedia Data Mining

Academic Experience

- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2012/8 to present
- Instructor, Department of Information Management, Southern Taiwan University of Science and Technology, 1990/8 to 2012/7

Journal Papers

1. Bo-Wen Wang, "An Effective Two-Phase Collaborative Filtering Algorithm for Recommender Systems". Journal of Southern Taiwan University. Volume 38 Number 3, September 2013, pages 53-66
2. Bo-Wen Wang and Vincent S. Tseng. "Improving Missing-Value Estimation in Microarray Data with Collaborative Filtering Based on Rough-Set Theory". in International Journal of Innovative Computing, Information and Control. Volume 8, Number 3(B), March 2012
3. Ja-Hwung Su, Bo-Wen Wang, Chin-Yuan Hsiao and Vincent S. Tseng. "Personalized Rough-Set-based Recommendation by Integrating Multiple Contents and Collaborative Information". Information Sciences Volume 180, Issue 1, 2 January 2010, Pages 113-131.
4. Vincent S. Tseng, Ja-Hwung Su, Bo-Wen Wang, Tien-Yu Hsu, Chien-Li Chou. "Multi-Modal Image Retrieval by Integrating Web Image Annotation, Concept Matching and Fuzzy Ranking Techniques." International Journal of Fuzzy Systems, Vol. 12, No. 2, June 2010.

Conference Papers

1. Bo-Wen Wang, Ci-Rong Li, Guo-Cheng Lan (2015) "High Average-Utility Mining with Minimum Constraints under Multiple Minimum Utilities," Proceedings of the 10th E-Learning and Information Technology Symposium, Taiwan (R.O.C.), 2015/3/25.
2. Bo-Wen Wang, Ja-Hwung Su, Chien-Li Chou, Vincent S. Tseng. "Semantic Video Retrieval by Integrating Concept- and Content-Aware Mining." in Proceedings of the Technologies and Applications of Artificial Intelligence, Taiwan, November, 2011.
3. Ja-Hwung Su, Bo-Wen Wang, Hsin-Ho Yeh and Vincent S. Tseng. "Ontology-Based Semantic Web Image Retrieval by Utilizing Textual and Visual Annotations." in Proceedings of the Workshop on Computational Intelligence Approach for Ontology-based Knowledge Discovery (CIAO -WI/IAT'2009), Milano, Italy, September 2009.
4. Ja-Hwung Su, Bo-Wen Wang and Vincent S. Tseng. "Effective Ranking and Recommendation on Web Page Retrieval by Integrating Association Mining and PageRank." in Proceedings of the

Workshop on Optimization-based Data Mining and Web Intelligence (ODM-08, held with 2008 IEEE/WIC/ACM Int'l Conf. Web Intelligence and Intelligent Agent Technology), Sydney, Australia, December, 2008.

5. Vincent S. Tseng, Ja-Hwung Su, Hao-Hua Ku and Bo-Wen Wang. "Intelligent Concept-Oriented Search for Content-Based Image Retrieval by Using Data Mining and Image Concept Query Decomposition Techniques." in Proc. of 2008 IEEE International Conference on Multimedia & Expo, Hannover, Germany, 2008.
6. Vincent Shin-Mu Tseng, Ja-Hwung Su, Bo-Wen Wang and Chin-Yuan Hsiao. "A Novel Recommendation Method based on Rough Set and Integrated Feature Mining." in Proc. of the third International Conference on Innovative Computing, Information and Control, Dalian, China, 2008.
7. Vincent S. Tseng, Ja-Hwung Su, Bo-Wen Wang, Chin-Yuan Hsiao, Jay Huang and Hsin-Ho Yeh. "Intelligent Multimedia Recommender by Integrating Annotation and Association Mining." in proc. of the 2008 IEEE International Conference on Sensor Networks, Ubiquitous, and Trustworthy Computing, Taichung, Taiwan, 2008.
8. Vincent S. Tseng, Jia-Hwung Su, Bo-Wen Wang, Yu-Ming Lin, "Web Image Annotation by Fusing Visual Features and Textual Information", in ACM Symposium on Applied Computing (SAC), Korea, 2007.

Dissertation

- Data Pre-Processing and Data Mining Techniques for Video Retrieval and Recommendation

Professional Certifications

1. Information Technology(Python), 132220100007370, 2021/12
2. Artificial Intelligence Application and Technology, 132190800001790, 2019/08
3. Online Mall Marketing Management Certification, No: 1027654, 2018/09.
4. IoT Application and Technology, No: 132161200016090, Computer Skills Foundation, 2016/12
5. Certification of the Microsoft Technology ASSOCIATE(HTML5 Application Development Fundamentals), NO: F424-3501, Microsoft, 2015/10
6. Certification of the Microsoft Technology ASSOCIATE(Windows Operating System Fundamentals), NO: F425-2410, Microsoft, 2015/10
7. Mobile Device Application, No: 132140800012330, Computer Skills Foundation, 2014/08
8. Webpage Program Design Certification, No:232130900000660, Computer Skills Foundation, 2013/09
9. Word 2010 Expert, No: 9241591, Chinese Computer Education Association, 2012/12
10. Excel 2010 Expert, No: 9241657, Chinese Computer Education Association, 2012/12
11. Information Technology Expert(Linux Administration IT Expert), No: 311121100000020, Computer Skills Foundation, 2012/11
12. TQC-IP Image Process-Photoshop CS4 Image Processing(Primary), Computer Skills Foundation, 2012/8
13. TQC Dreamweaver CS4 Web Design Advanced, Computer Skills Foundation, 2012/8
14. Certification of the MOS(Master), Microsoft, 2009/11
15. Certification of the MOS(Access 2003), Microsoft, 2009/11
16. Certification of the MOS(Excel 2003), Microsoft, 2009/11
17. Certification of the MOS(PowerPoint 2003), Microsoft, 2009/11
18. Class B Certification of the computer software applications, No: (B) 117873, Council of Labor Affairs, 1999/5

Entrusted Practical Projects

1. Wang, B.W. 2023 Integrate restaurant kitchen and group meal catering plan. 34001120116
2. Wang, B.W. 2019. Artificial intelligence application service improvement plan. 34001080159-GP
3. YANG,C,H, Wang, B.W. 2019 Microprocessor and electronic module application development

12001080406

4. Wang, B.W. 2018. Data Processing and BI Analysis Technology. 34001070413
5. Wang, B.W. 2018. Technological Process Reengineering and Information Energy Enhancement. 34001070181
6. Wang, B.W. 2018. Application of Data Analysis and Exploration. 34001070178
7. Wang, B.W. 2017. A Website Implementation on Rapid Reply System for the Textile Industry. 331060502
8. Wang, B.W. 2016. A Website Implementation on Shopping on Demand. 331050019
9. Wang, B.W. 2015. An Innovative Website Implementation on a Print Company. 331040206
10. Wang, B.W. 2014. Multimedia Training Class Project. 331030480
11. Wang, B.W. 2014. A Shopping Website Implementation of Tai-Shin Glasses Company. 331030206
12. Wang, B.W. 2013. A Website of Design Communication and Progress Confirmation. 331020389