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Education
- PhD, Department of Computer Science, Polytechnic University, 1995/1
- Master, Department of Computer Science, University of Southern California, 1989/8

Area of Specialty
- Rough Set, Data Mining, Object Oriented Programming, Web Service, Semantic Web, Distributed Debugging

Academic Experience
- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 1994/8 to present

Publications

Journal Papers:

1. Pai-Chou Wang and Hsien-Kuang Chiou, Two-Phase β-Certain Reducts Generation, Lecture Note in Artificial Intelligence, Vol. 4481, May 2007, 387-394.
2. J. T. Chen, S. R. Tsai, C. M. Lee, Y. C. Tu, H. K. Chiou, "Embedding Lively Multimedia Information in XML Objects for a XML-based Event Brokering System", Journal of Applied Systems Studies, Volumn6, No3, 2005.(SCIE).
3. H. Chiou and W. Korfhage, Detecting ENF Event Predicates in Distributed Systems, Journal of Parallel and Distributed Computing 44, 1-13 (1997).
4. H. Chiou and W. Korfhage, Enhancing Distributed Predicate Detection Algorithms, IEEE Transactions on Parallel and Distributed Systems, Vol. 7, No. 7, July 1996, 673-676.

Conference Papers:

1. Jyi-Ta Chen, Hsien-Kuang Chiou, Yu-Wei Liu, "Analysis for Hadoop Computing Performance Based on Current Status Index of Network and System", The E-learning and Information Technology Symposium 2016(EITS2016), pp.14, Mar 2016.
2. Jyi-Ta Chen, Hsien-Kuang Chiou, Jun-Xiang Lai, "A Climate Adaptation

Countermeasure System Based on Semantic Web Approach", The E-learning and Information Technology Symposium 2015(EITS2015), pp.25, Mar 2015.

3. Jyi-Ta Chen, Hsien-Kuang Chiou, Zhong-Wei Pu, "Use Hadoop Cloud Computing Architecture to Improve System Performance for Journal Submission Recommended System", The E-learning and Information Technology Symposium 2014(EITS2014), pp.35, Mar 2014.

4. Jyi-Ta Chen, Hsien-Kuang Chiou, Yi-Zhen Lee, "A POS Service Based on Semantic Web -As an Example of a POS Software Company", The E-learning and Information Technology Symposium 2014(EITS2014), pp.18, Mar 2014.

5. Jyi-Ta Chen, Hsien-Kuang Chiou, Yu-Ren Chen, "Software Desing and Performance Discussion about Manufacturing Execution System (MES) of Electro-Optical Industry Based on Cloud Computing Technology", The 19th Conference on Information Management & Practice, Dec 2013.

6. Jyi-Ta Chen, Hsien-Kuang Chiou, Zhong-Wei Pu, "A Journal Submission Recommendation System Based on Cloud Computing Schemes", 2013 The Industry Management and Information Application Innovation Conference, Nov 2013.

7. Jyi-Ta Chen, Hsien-Kuang Chiou, Pei-Mei Chen, "Using Semantic Web and Automated Tagging Approaches to Enhance Performance of Tourism Information Retrieval", The E-learning and Information Technology Symposium 2013(EITS2013), pp.30, Mar 2013.

8. Jyi-Ta Chen, Hsien-Kuang Chiou, Jue-Li Lu, "Setting Resource Balance Problems of VM in a Cloud Computing Infrastructure Based on Expert System Approach", The E-learning and Information Technology Symposium 2013(EITS2013), pp.10, Mar 2013.

9. Jyi-Ta Chen, Hsien-Kuang Chiou, Pei-Mei Chen, "Through Semantic Analysis Technology and Ontology to Automatically Generate Semantic Tagging and to Enhance Accuracy of the Information Retrieval", Taiwan Academic Network Conference 2012, Oct 2012.

10. Jyi-Ta Chen, Hsien-Kuang Chiou, Jue-Li Lu, "To solve the Resource & Load Balance problems of Cloud Computing with Expert System Approaches", Taiwan Academic Network Conference 2012, Oct 2012.

11. Jyi-Ta Chen, Hsien-Kuang Chiou, Zhao-Lin Liu, "A Course Design Based on Semnatic Web -As an Example of Computer Science", The E-learning and Information Technology Symposium 2012(EITS2012), pp.1, Mar 2012.

12. Jyi-Ta Chen, Hsien-Kuang Chiou, Yong-Liang Zhu, "To Explore the Features of Communication Technologies for Implementation of Web Services", The E-learning and Information Technology Symposium 2012(EITS2012), pp.13, Mar 2012.

13. Kan-Chen Xie, Jyi-Ta Chen, Hsien-Kuang Chiou, "A Medical Treatment Recommendation System Base on Semantic and Ontology Approach", 2012

Information Education and Technological Application Conference, pp.B3-1-pp.B3-7, Mar 2012..

14. Jyi-Ta Chen, Hsien-Kuang Chiou, Jhih-Hong Siou, "Build a Private Cloud Model Based on the Approach of Desktop as a Service", The 17th Conference on Information Management and Practice, P.178, Dec 2011.

15. Jyi-Ta Chen, Hsien-Kuang Chiou, Jhih-Hong Siou, "A Impact Research of Agile Application Lifecycle Management Solutions for Customer Value And Development Risk", 2010 Joint Conference on Object-Oriented Technology and Applications (OOTA) and Software Engineering (TCSE), P.27, July 2011.

16. H. Chiou and Y. Lin, Enhancing Decision Prediction Using Rough Set, The E-Learning and Information Technology Symposium 2010, March 2010.

17. H. Chiou and S. Ho, Efficient Method To Remove Superfluous Information In The Investment Climate, 2006 International Conference of Digital Technology and Innovation Management, April, 2006.

18. H. Chiou, Auxiliary Mechanism to Enhance Event Predicate Detection in Distributed Systems, The 14th Technological and Vocational Education Conference of R.O.C., May, 1999.

19. H. Chiou, Detecting Multiple Matches of Global Event Predicates in Distributed Systems, The 11th Technological and Vocational Education Conference of R.O.C., March, 1996.

20. H. Chiou and W. Korfhage, ENF Event Predicate Detection in Distributed Systems, In Proc. ACM Symposium on Principles of Distributed Computing, August, 1994.

21. H. Chiou and W. Korfhage, Efficient Global Event Predicate Detection, In Proc. IEEE International Conference on Distributed Computing Systems, June, 1994.

22. H. Chiou, Global Event Predicate Detection in Distributed Systems, UniForum Annual Conference, March, 1994.

Books:
1. UNIX System and C Shell Programming, Sung Gang Publishing Inc., June, 1997

Dissertation:
1. H. Chiou, ENF Event Predicates and Their Detection in Distributed Systems, Ph.D. Dissertation, Polytechnic University, 1995

Professional Certifications
1. Microsoft Technology Associate: Windows Operating System Fundamentals, Microsoft, Oct., 2015
2. Microsoft Technology Associate: HTML5 Application Development Fundamentals, Microsoft, Oct., 2015

3.   Microsoft Technology Associate: Database Fundamentals, Microsoft, Apr., 2011
4.   Microsoft Technology Associate: Networking Fundamentals, Microsoft, Apr., 2011

Patents

1.   Chiou, Hsien-Kuang; Huang, Pei-Shan; Su, Ya-Lin; Chen, Jyi-Ta; Guo, Gen-Ming, Warning Device for Turning Motorcycle, May, 2016, M521032.
2.   Chiou, Hsien-Kuang; Guo, Gen-Ming; Chen, Jyi-Ta, Warning Device for Reminding Water Leakage, Feb., 2016, M517761.
3.   Chiou, Hsien-Kuang; Guo, Gen-Ming, Assisting System for Lottery Online Betting, June, 2015, M502213
4.   Chiou, Hsien-Kuang; Guo, Gen-Ming, Interactive Electronic Bulletin Board, Apr., 2015, M499629
5.   Chiou, Hsien-Kuang; Ye, Ting-Yu; Guo, Gen-Ming, Integrating Member Card System Using Mobil Device, Jan., 2015, M494363.
6.   Chiou, Hsien-Kuang; Guo, Gen-Ming; Chen, Chia-Min; Chen, Chien-You; Sun, Chia-Chun; Chen, Yi- Li, Recommendation System for Submitting Academic Journal, Aug., 2013, M459464.
7.   Chiou, Hsien-Kuang; Guo, Gen-Ming; Liao, Jian-Lin; Chiu, Mu-Hsiang; Lu, Peng-Yuan, Cloud Digital Sticky Note Editing System, July, 2013, M457245.
8.   Chiou, Hsien-Kuang; Guo, Gen-Ming, Motorcycle Storage Box with USB Socket, June, 2013, M455894.
9.   Chiou, Hsien-Kuang; Guo, Gen-Ming; Tseng, Yu-Chung, Electric Massage Device, May, 2013, M453497.
10.   Chiou, Hsien-Kuang; Guo, Gen-Ming, Host Computer Placement Structure, May, 2013, M453333.
11.   Chiou, Hsien-Kuang; Zhang, You-Ning; Guo, Gen-Ming, Bluetooth Headset, Apr., 2013, M450164.
12.   Chiou, Hsien-Kuang; Guo, Gen-Ming, A, B-Type Interchangeable Plug, Apr., 2013, M450115
13.   Chiou, Hsien-Kuang; Guo, Gen-Ming, Projector Extending Device with Multiple Image Outputs, Apr., 2013, M449992..
14.   Chiou, Hsien-Kuang; Guo, Gen-Ming, Power Supply Device with Automatic Detection, March, 2013, M448629.
15.   Chiou, Hsien-Kuang; Tsai, Chun-Hsin; Guo, Gen-Ming; Chen, Hui-Shen, Tableware Clip, Feb., 2013, M447192.
16.   Chiou, Hsien-Kuang; Wu, Qing-Da; Guo, Gen-Ming, Drinking Container with Heating Function, Feb., 2013, M447188.