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Education

- PhD, Institute of Computer and Communication Engineering, National Cheng-Kung University, 2005/7
- Master, Department of engineering science, National Cheng-Kung University, 1990/6
- BBA, Department of Computer Engineering, National Chao-Tung University, 1985/6

Area of Specialty

- Computer Network
- SOA(Web Service)
- Semantic Web
- Web Security
- Internet Application Development

Academic Experience

- Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2015/08 to present
- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2006/2 to 2015/07
- Assistant Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2005/8 to 2006/1
- Instructor, Department of Information Management, Southern Taiwan University of Science and Technology, 1990/8 to 2005/7

Publications

Journal Papers:

1. Jyi-Ta Chen, Jun-Xiang Lai, "A climate Alert and Notification Information System for Enterprise Based on Semantic Web Approach", Information and Management Science, Vol. 8, No. 1, pp.1-24, Jun 2015.
2. **Jyi-Ta Chen**, "To Enhance Performance of Information Retrieval Based on Semantic

- Web and Automated Tagging Approaches”, Journal of Southern Taiwan University of Science and Technology, Vol.40, No.1, pp.1-14, Mar 2015.
3. **Jyi-Ta Chen**, “Designing an Intelligent Hybrid Cloud System Based on Desktop as a Service”, Information and Management Science, Vol. 7, No. 2, pp.29-49, Dec 2014.
 4. Jyi-Ta Chen, Yu-Wei-Liu, “Processing and Analyzing for Big Data Based on Hadoop Schema - As an Example of Weather Data”, Journal of Information Communication and Technology Auditing, Vol. 31, pp.40-52, Jan 2014.
 5. Jyi-Ta Chen, “Design and Performance Discussion about Manufacturing Execution System (MES) of Electro-Optical Industry Based on Cloud Computing Technology”, Information and Management Science, Vol. 7, No. 1, pp.30-45, Jun 2014.
 6. Jyi-Ta Chen, Jhih-Hong Siou, “The Impact of Building a Desktop Virtualization Environment on IT Device Management”, Journal of Southern Taiwan University of Science and Technology, Vol.37, No.3, pp.13-25, Sep 2012.
 7. J. T. Chen, Gian-Xun Hunag, “Using Real-time Security Certification Approaches to Protect Patient Privacy”, Journal of Information Communication and Technology Auditing, Vol.25, pp.44-56, Jan 2012.
 8. J. T. Chen, S. R. Tsai, “A Content-Based Event Brokering System Embedding Lively Contents in XML Object Using Publish/Subscribe Communication Schemes”, Journal of Internet Technology, Vol. 11, No. 2, pp.227-236, Mar 2010.(EI/SCIE)
 9. J. T. Chen, “Using Publish/Subscribe Communication Scheme to Create a XML Information Object Model”, International Journal of Applied Software Technology(IJAST), Vol.3, No.2, pp.165-181, 2009.(SCI)
 10. 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)
 11. J.T. Chen, S. R. Tsai, C. H. Lok, "Building a Content-based Event Brokering Service Using XML Depositories and Publish/Subscribe Communication Scheme", Journal of Internet Technology, Vol.6, NO.4, pp.377-pp.384, Oct, 2005.(EI)
 12. Jyi-Ta Chen, “A Lively Content Integration and Event Notification System”, Journal of Southern Taiwan University, pp.39-pp54, 2005.
 13. S. R. Tsai, J. T. Chen, “A Medical Healthcare System for Message Notification and Information Sharing Based on XML Technology”, Engineering Science & Technology, the 67th issue, 2003

Conference Papers:

1. Jyi-Ta Chen, Yi-Hya Chen, “Designing An Air Pollution Ontology for Querying & Warning Base on Semantic Scheme”, Tanet 2016 Taiwan Academic Network Conference, Oct 2016.
2. Jyi-Ta Chen, Hui-Ling Wu, “An Expert System adopts MapReduce scheme to

- enhance inference speed for network attack detection”, The 27th International Conference on Information Management, P.302, May 2016.
3. 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.
 4. Jyi-Ta Chen, Yan-Zhi Zeng, “Using Hadoop Distributed Computing for Big Data Analysis of Air Pollution”, The E-learning and Information Technology Symposium 2016(EITS2016), Mar 2016.
 5. Jyi-Ta Chen, Hui-Ling Wu, “Designing an Expert System for Detecting the Hacker Attacks Base on Approach of Hadoop Distributed Computing”, 2015 International Conference on Information Management and Practice, Nov 2015.
 6. Jyi-Ta Chen, Hui-Ru Chen, “Using Hadoop Distributed Computing Model with Real-time Data Analysis & mining for climate change Adaptation”, 2015 International Conference on Information Management and Practice, Nov 2015.
 7. Jyi-Ta Chen, Yu-Wei Liu, “Performance Evaluation of Hadoop distributed computing model”, Tanet 2015 Taiwan Academic Network Conference, Oct 2015.
 8. Jyi-Ta Chen, Yan-Zhi Zeng, “A Data Processing Model for Big Data Based on Hadoop Approach : An Example of Air Pollution”, Tanet 2015 Taiwan Academic Network Conference, Oct 2015.
 9. Jyi-Ta Chen, Jian-Ming Kuo, Zong-Han Yong, ”A Climate Adaptation Countermeasure with Fuzzy Inference for Warning Conditions”, The E-learning and Information Technology Symposium 2015(EITS2015), pp.35, Mar 2015.
 10. 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.
 11. Jyi-Ta Chen, Jian-Ming Kuo, Zong-Han Yong, “A Mobile Application for Climate Adaptation Countermeasure Based on Expert System and Web Service schemes”, Tanet 2014 Taiwan Academic Network Conference, Oct 2014.
 12. Jyi-Ta Chen, Jun-Xiang Lai, “Development of a Semantic Retrieval and Alert Notification of Enterprises Climate Adaptation Information System”, Tanet 2014 Taiwan Academic Network Conference, Oct 2014.
 13. Jyi-Ta Chen, Jian-Ming Kuo, Chun-Mi Chen, “To Enhance Recommendable Efficiency of Journal Submission System Based on Semantic Web Scheme”, 2014 Symposium on Digital Life Technologies, Jun 2014.
 14. Jyi-Ta Chen, Jian-Ming Kuo, Jia-Zhen Qi, “A Recommended system for Journal Submission Based on Semantic Web”, 2014 International Symposium on Healthcare Information Management, pp. 168, Jun 2014.
 15. 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.
16. Jyi-Ta Chen, Jian-Ming Kuo, Pei-Shan Wu, “An Information Retrieval System for Potted Plant Based on Semantic Web Scheme”, The E-learning and Information Technology Symposium 2014(EITS2014), pp.16, Mar 2014.
 17. 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.
 18. Jyi-Ta Chen, Pei-Mei Chen, “Applying Semantic Web and XML Signature/Encryption to Private Cloud Platform for heterogeneous Data Intermediary and Semantic Search Model”, 2013 National Computer Symposium(NCS2013), Dec 2013.
 19. Jyi-Ta Chen, Jian-Ming Kuo, Jia-Zhen Qi, “A Decision Support System for Journal Submission Based on Semantic Retrieval Schemes”, The 19th Conference on Information Management & Practice, pp.1853~1863, Dec 2013.
 20. 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, pp.2795~2808, Dec 2013.
 21. Jyi-Ta Chen, Jian-Ming Kuo, Chun-Mi Chen, “An Adaptive Journal Recommendation System Based on Semantic Web Technology”, 2013 The Industry Management and Information Application Innovation Conference, Nov 2013.
 22. 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.
 23. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shen Wu, “To Analysis the Cost and Execution Effects about Open Source Software Implementation for Enterprises”, Tanet 2013 Taiwan Academic Network Conference, Oct 2013.
 24. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shin Chen, “A Retrieving Research for Digital Teaching Materials Based on Semantic Web Scheme”, 2013 Information Technologies, Applications and Management Conference, May 2013.
 25. 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.
 26. 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.

27. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shen Wu, "A Study of Building an Enterprise Information Infrastructure with Low Cost by OSS", 2012 The 8th on Theories and Practices in International Business, pp.50, Nov 2012.
28. 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.
29. Jyi-Ta Chen, Jian-Ming Kuo, Yu-Shin Chen, "Applying the Semantic Web Technology to Enhance Effectiveness of Materials Establishing and Retrieving for E-Learning", Taiwan Academic Network Conference 2012, Oct 2012.
30. 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.
31. 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.
32. 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.
33. Jyi-Ta Chen, Jian-Ming Kuo, Si-Fan Ho, "Using the Semantic Web & Data Mining Schemes to Filter Pornography Webpages", 2012 Information Education and Technological Application Conference, pp.B3-14-pp.B3-21, Mar 2012.
34. 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.

Dissertation:

- Chen, Jyi-Ta (2005) "Embedding Lively Contents in XML Objects for a Content Syndication and Event Notification System", Ph.D. Dissertation, National Cheng Kung University

Grants

1. "To Design a Cloud Information Platform for Disaster Management Based on Semantic Web and Spatial Information schemes" , MOST104-2119-M-218-001 , Ministry of Science and Technology , 01/01/2014~12/31/2014 ◦
2. "Designing an Intelligent Hybrid Cloud System Based on Desktop as a Service and Security Approaches" , NSC102-2221-E-218-033 , Ministry of Science and

Technology , 08/01/2012~07/31/2013 ◦

3. “Applying Semantic Web and XML Signature/Encryption to Private Cloud Platform for Heterogeneous Data Intermediary and Semantic Search Model” , NSC101-2221-E-218-051 , Ministry of Science and Technology , 08/01/2011~07/31/2012 ◦

Entrusted Practical Projects

1. “Enterprise Climate Adaptation Risk Strain System Project” , China Steel Corporation , NO : 04EAD0008, 08/01/2015~~12/31/2016 ◦
2. “Meteorological data for real-time monitoring and management of cloud system platform , Ministry of Economic Affairs academic energy project plan , NO : 521030184, 01/01/2014~~12/31/2014 ◦
3. “Meteorological data for real-time monitoring and management of cloud system platform , Ministry of Economic Affairs academic energy project plan , NO : 331020088, 08/01/2013~~12/31/2013 ◦
4. “Customer intimate interactive services integration planning system to build the physical plan” , Jiaxing Environmental Technology Co., Ltd , 101/04/16~101/11/30◦

Honors and Awards

- The Best Paper, 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.
- The Best Paper, Jyi-Ta Chen, Yan-Zhi Zeng, “Using Hadoop Distributed Computing for Big Data Analysis of Air Pollution”, The E-learning and Information Technology Symposium 2016(EITS2016), pp.33, Mar 2016.
- The Best Paper, 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.
- The Best Paper, 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.

Professional Certifications

1. TQC-OA(Office Application)-Cloud Technology and Internet Services - Professional, Techficiency Quotient Certification, 2016/08/05.
2. TQC-DK(Domain Knowledge) - IOT Application and Technology - Professional, Techficiency Quotient Certification, 2016/08/01.
3. TQC-DK(Domain Knowledge) - IOT Application and Technology - Advanced, Techficiency Quotient Certification, 2016/07/01.

4. Microsoft Technology Associate: HTML5 Application Development Fundamentals, Certification No: F430-0808, 2015/10/15.
5. Microsoft Technology Associate: Windows Operating System Fundamentals, Certification No: F424-3539, 2015/10/07.
6. TQC-OA(Office Application)-Mobile Device Application-Advanced, Techficiency Quotient Certification, 2015/07/02.
7. “Big Data Process and analysis”, Computer Skills Foundation, 2015/08/07.
8. “Fundamentals of APP for eBusiness”, Chinese Enterprise Resource Planning Society, 2015/05.
9. TQC-OA(Office Application)-Mobile Device Application-Professional, Techficiency Quotient Certification, 2014/08/05.
10. TQC-OA(Office Application)-Cloud Technology and Internet Services, Techficiency Quotient Certification, 2014/06/27.

Patents

1. Vendor meteorological evaluation analysis system, ROC, I543099, CHEN,JYI-TA 、 LAI,CHUN-HSIANG 、 GUO,GEN-MING, 2016/07~2034/04 ◦
2. Integrated meteorological analysis of tourist attractions recommendation and warning system, ROC, I532004, CHEN,JYI-TA 、 HUILING, WU 、 GUO,GEN-MING, 2016/05~2035/06 ◦
3. CLOUD-BASED PERIODICAL RECOMMENDATION SYSTEM AND OPERATION METHOD, ROC, I524196, CHEN,JYI-TA 、 GUO,GEN-MING 、 PU, CHUNG WEI, 2016/03~2034/01 ◦
4. VISION TESTING SYSTEM, ROC, I501751, CHEN,JYI-TA 、 GUO,GEN-MING 、 TENG, CHI FEN 、 LAI, YU JHU 、 LIN, SZU YU, 2015/10~2033/01 ◦
5. METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR ADAPTIVE RECOMMENDATION OF JOURNAL SUBMISSION, ROC, I501184, CHEN,JYI-TA 、 GUO,GEN-MING 、 CHEN, CHUN MI, 2015/09~2034/01 ◦
6. SYSTEM AND METHOD OF PERSONALIZED TEXTBOOK RECOMMENDATION, ROC, I501183, CHEN,JYI-TA 、 GUO,GEN-MING 、 CHEN, CHUN MI, 2015/09~2033/07 ◦
7. CLOUD BODY-SENSORY VIRTUAL-REALITY EYEGASSES PRESCRIPTION SYSTEM, ROC, I492174, CHEN,JYI-TA 、 GUO,GEN-MING 、 TENG, CHI FEN 、 LAI, YU JHU 、 LIN, SZU YU, 2015/07~2033/02 ◦