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Education

- PhD, Department of Computer Science, National Tsing Hua University, 1993/6
- Master, Department of Computer Science, National Tsing Hua University, 1987/6

Area of Specialty

- E-Learning, Information Retrieval, Algorithm

Academic Experience

- Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2014/02 to present
- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 1995/8 to 2014/01
- Chairperson, Department of Information Management, Southern Taiwan University of Science and Technology, 1999/7 to 2008/1

Publications

Journal Papers:

1. Yi-Hsing Chang , Jheng-Yu Chen, Rong-Jyue Fang, You-Te Lu, Establishing a Game-Based Learning Cloud, Intelligent Data Analysis and Applications, Advances in Intelligent Systems and Computing, Vol. 535, pp 177-184, 2016. Doi: 10.1007/978-3-319-48499-0_22, ISSN: 2194-5357 (EI)

2. You-Te Lu, Yi-Hsing Chang*, Tien-Wen Sung, A Case Study on Information Literacy and the Use of Social Media for Senior Learners, Intelligent Data Analysis and Applications, Advances in Intelligent Systems and Computing , Vol. 535, pp 171-176, 2016. Doi: 10.1007/978-3-319-48499-0_22, ISSN: 2194-5357 (EI)

3. You-Te Lu, Yi-Hsing Chang , Investigation of the internet adoption on senior farmers, Engineering Computations: International Journal for Computer-Aided Engineering and Software, Vol. 33 Iss: 6, pp.1853 – 1864, 2016.(SCI)

4. Yi-Hsing Chang*, Kai-Xiang Chang, Implementation of a social widget system for

enhancing the interaction among social networking websites, Int. J. Computational Science and Engineering, Vol. 13, No. 2, pp. 183-196, 2016. (EI). (NSC 99-2511-S-218-008-MY2)

5. Yi-Hsing Chang, Yen-Yi Chen, Nian-Shing Chen, You-Te Lu, Rong-Jyue Fang, Yet another adaptive learning management system based on Felder and Silverman's learning styles and Mashup, Eurasia Journal of Mathematics, Science & Technology Education, 12(5), 1273-1285, 2016. (SSCI) (NSC 102-2511-S-218 -001) doi: 10.12973/eurasia.2016.1512a

6. YI–HSING CHANG, BO–KAI CHEN, THE SYSTEMATIC CONSTRUCTION OF A VALID DOMAIN ONTOLOGY, Journal of Internet Technology, Vol. 16, No. 2, pp. 289-300, 2015. (SCIE) (NSC 102-2511-S-218 -001)

7. Yi-Hsing Chang*, Leng-Kang Chang Chien, Rong-Jyue Fang, The Design of a Medical Rules Synchronization System, Lecture Notes in Electrical Engineering, Vol. 331, pp. 481-491, 2015. (EI). (NSC 102-2511-S-218 -001)

8. Yi-Hsing Chang*, Jen-ch'iang Liu, APPLYING AN AR TECHNIQUE TO ENHANCE SITUATED HERITAGE LEARNING IN A UBIQUITOUS LEARNING ENVIRONMENT, TOJET: The Turkish Online Journal of Educational Technology, Vol.12, Issue 3, pp. 21-32, 2013/07. (ERIC) (NSC 101-2511-S-218-008)

9. Yi-Hsing Chang*, Rong-Jyue Fang, A Test Items Knowledge Library System for Adaptive Learning, Computer Technology and Application, Vol. 4, No. 4, pp. 175-184, 2013/04. (NSC 101-2511-S-218-008)

10. Yi-Hsing Chang, Jheng-Yu Chen, A Hybrid Cloud for Effective Retrieval from Public Cloud Services, Intelligent Information and Database Systems, Lecture Notes in Computer Science, Vol. 7802, pp 61-69, 2013. (EI) (NSC 101-2511-S-218-008)

11. Yi-Hsing Chang* and Bei-Sien Lin (2012) "A Ubiquitous System Supporting Game-Based Inquiry Learning", International Journal of Mobile Communications, Vol. 10, No. 2, pp. 190-212, 2012. (SSCI) (NSC 99-2511-S-218-008-MY2)

12. YI-HSING CHANG, BO-KAI CHEN (2011) "An Automatic Teaching Materials Construction System Based on Mashup, Journal of Internet Technology, 12(5), 781-788. (SCIE) (NSC 99-2511-S-218-008-MY2)

13. Yi-Hsing Chang (2011) "Automatically Constructing an Effective Domain Ontology for Document Classification, Computer Technology and Application, 2(3), 182-189. March 2011.(ISSN: 1934-7332) (NSC 99-2511-S-218-008-MY2)

14. Rong-Jyue Fang, Hua-Lin Tsai, Chi-Jen Lee, Yi-Hsing Chang (2009), Web-based Multimedia for Distance Learning, WSEAS TRANSACTIONS on INFORMATION SCIENCE & APPLICATIONS, 6(8), 1320-1328. (EI)

15. Yi-Hsing Chang, Ching-Lung, Yang (2008), A HIGH-EFFICIENCY

KNOWLEDGE MANAGEMENT SYSTEM BASED ON HABITUAL DOMAINS AND INTELLIGENT AGENTS, International Journal of Software Engineering and Knowledge Engineering, 18(8), 1083-1114. (SCI)

16. Yi-Hsing Chang, J. Wey Chen, Bin-Shan Lin (2008), KMsharer: An Information Technology Approach to Enable Knowledge Management Services, International Journal of Technology Management, 43(1/2/3), 252-265. (SCI/SSCI) NSC93-2416-H-218-008.

17. Yi-Hisng Chang, J. Wen Chen (2008), An Experimental Approach to Constructing and Enhancing a PC Cluster System for Scalable Network Services, Journal of Computers, 19(2), 42-54. (NSC92-2218-E-218-026)

18. Yi-Hsing Chang, Tsung-Yi Lu, Rong-Jyue Fang (2007), A Validity E-Learning System Based on Knowledge Management and Intelligent Agents, WSEAS TRANSACTIONS ON SYSTEMS, 6(10), 1297-1309. (EI) (NSC95-2520-S-218-002)

19. Yi-Hsing Chang*, Ching-Ming Cheng and Bin-Shan Lin (2007), An efficient Web Services-enabled Architecture for Radio Frequency Identification Environment, International Journal of Mobile Communications, 5(6). 646-660. (SSCI/EI)

20. Yi-Hsing Chang, Cheng-Jung Lee, Bin-Shan Lin (2006), An Extensive CRON-Driven Automation Service Architecture for RSS Feed, International Journal of Services and Standards, 2(3), 286 – 302.

21. Yi-Hsing Chang, Cheng-Jung Lee, Bin-Shan Lin (2006), Design and Implement an Automation Service System Based on CRONTAB, International Journal of Services and Standards, 2(2), 203-214.

Grants

1. National Science Council, No: 103-2511-S-218 -002, ''Applying Motion-Sensing and AR Technologies to Enhance Situated Cultural Festivals Learning,'' 2014/8 - 2015/7.

2. National Science Council, No: 102-2511-S-218-008, ''An Adaptive Augmented Reality Learning System Based on Learning Styles: Example by Monument Learning,'' 2013/8 - 2014/7.

3. National Science Council, No: 101-2511-S-218 -008, ''Learning Cloud Supporting Game-based Inquiry Learning,'' 2012/8 - 2013/7.

4. National Science Council, No: NSC-99-2511-S-218-008-MY2, ''The Study of an Effectively Adaptive Learning System Based on Web 2.0 and Mashup,'' 2010/8 - 2012/7.

5. National Science Council, No: NSC-98-2221-E-218-028 ''Design and Implement of an Automatic synchronization System for the drug law check based on semantic web techniques: example by using NHI drugs laws and clinical drugs order

checking system," 2009/8 - 2010/7.

6. Ministry of Education, No: 330970015, "The Digital Opportunity Center Coaching Project in North District, Tainan,", 2008/6~2009/06.

7. National Science Council, No: NSC-96-2520-S-218-001, "Design and Implement of a Valid Adaptive e-Learning Management System," 2007/8 - 2008/7.

8. National Science Council, No: NSC-95-2520-S-218-002, "A Study on an e-Learning System based on Knowledge Management and Intelligent Agents," 2006/8 - 2007/7.

9. National Science Council, No: NSC-94-2218-E-218-008, "Design and Implement an automation service goods management system based on the technology of web service, multi-agnet and Cron," 2005/8 - 2006/7.

10. National Science Council, No: NSC-93-2416-H-218-008, "The Study of High Performance Document Management System based on Web and XML Technology," 2004/8 - 2005/7.

11. National Science Council, No: NSC-92-2218-E-218-026, "The Study of High Performance Network Clustering System," 2003/8 - 2004/7.