Wang Pai-Chou (王派洲)

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Education

- PhD, Computer and Information Science, Polytechnic University, USA, 1996/6
- Master, Department of Computer and Information Science, Polytechnic University, USA, 1991/6

Area of Specialty

- Rough set theory, data mining, genetic algorithms, distributed computing, mobile programming, web programming

Academic Experience

- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2010/8 to present
- Associate Professor, Department of International Business, Southern Taiwan University of Science and Technology, 1996/8 to 2010/7

Publications

Journal Papers:

1. Pai-Chou Wang, Monotonic Reducts Generation Using Fbhash in Rough Set, Journal of Southern Taiwan University, 39(1), pp. 81-98, 2014

2. Pai-Chou Wang, DYNAMIC REDUCTS GENERATION USING CASCADING HASHES, International Journal of Foundations of Computer Science, 25(2), pp. 219-246, 2014 (SCI)

3. Pai-Chou Wang, Generate (F,ε)-Dynamic Reduct Using Cascading Hashes, in Yu, J. et al. (Eds): The 5th International Conference on Rough Set and Knowledge Technology, Beijing, China, Lecture Notes in Computer Science, Vol. 6401,PP. 62-69, 2010. (EI)

4. Pai-Chou Wang, Highly scalable rough set reducts generation, Journal of Information Science and Engineering (Engineering, Vol. 23 (4), pp. 1281-1298, 2007 (SCI).

5. Pai-Chou Wang, Hsien-Kuang Chiou, Two-Phase β-Certain Reducts Generation, in

J. T. Yao et al. (Eds): RSKT 2007, Toronto, Canada, Lecture Notes in Computer Science, Vol. 4481, pp. 387-394, 2007. (EI)

Conference Papers:

1. Wei-Han Zheng, Pai-Chou Wang, WiShare - Extra Long Distance Mobile Data Sharing Using Wireless, The E-Learning and Information Technology Symposium, 2015

2. Pai-Chou Wang, Efficient Hash-Based Approximate Reduct Generation, IEEE 2011 International Conference on Granular Computing, Kaohsiung, Taiwan, pp.703-707, 2011

3. Pai-Chou Wang*, Yu-Chen Hsiao, Possible Reduct Generation using FBhash, International Conference on the Development and Practice of Enterprise Resource Management, 2011

4. Pai-Chou Wang,Willard Kordhage, "Process Scheduling using Genetic Algorithms" IEEE 7thSymposium on Parallel & Distributed Processing 1995, p.638-641

Dissertation:

1. Wang, Pai-Chou (1996) "*Matrix Genome Encoding for Genetic Algorithms*," Ph.D. Dissertation, Polytechnic University, USA

Grants

1. Linear time reduct generaion in Rough sets using dominance consistencies, MOST 104-2221-E-218-008 –

2. Program of Information and Communication Security, Ministry of Education 3400-100P010

Honors and Awards

1. 2013 Mobile Application App Content for Open Data0, YiLan County Gonverment, Second place award

2. 2010 College Student Research and Creativity Award, National Science Council, Taiwan, ROC.

Professional Certifications

1. Microsoft Technology Associtae: HTML5 Application Development Fundamentals, Microsoft, 2015/10

2. Microsoft Technology Associtae: Windows Operating System Fundamentals, Microsoft, 2015/10

3. Big Data Processes and Analyzes, Computer Skills Foundation, 2015/8

4. Microsoft Technology Associtae: Database Administration Fundamentals, Microsoft,

2011/4

5. Microsoft Technology Associtae: Networking Fundamentals, Microsoft, 2011/4

Academic and Professional Service

1. Vice chairman of department of Information Management, 2011 ~ 2014

Patents

1. WANG, PAI CHOU, CHEN, HUI SHAN, GUO, GEN MING, DASHBOARD CAMERA DEVICE FOR AUTOMATED ACTIVATION OF A TURN SIGNAL, No. I542489, 2016/7

2. WANG, PAI CHOU, ZH LING, GUO, GEN MING, LIN MOBILE DEVICE'S MICROPHONE SIMULATION SYSTEM, No. I529612,2016/4

3. WANG, PAI CHOU, ZHENG, WEI HAN, GUO, MOBILE CLOUD SYSTEM FOR CLUSTER INTERCONNECTION AND INTERACTION AT OUTDOORS, No. I518624, 2016/1