


<b>Wang Pai-Chou (王派洲)</b>		
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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, $\epsilon$ )-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  $\beta$ -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 7th Symposium 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 generation 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 Government, Second place award
2. 2010 College Student Research and Creativity Award, National Science Council, Taiwan, ROC.

### **Professional Certifications**

1. Microsoft Technology Associate: HTML5 Application Development Fundamentals, Microsoft, 2015/10
2. Microsoft Technology Associate: Windows Operating System Fundamentals, Microsoft, 2015/10
3. Big Data Processes and Analyzes, Computer Skills Foundation, 2015/8
4. Microsoft Technology Associate: Database Administration Fundamentals, Microsoft,

2011/4

5. Microsoft Technology Associates: 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