Wang Pai-Chou (王派洲)

Department of Information Management
Southern Taiwan University of Science and Technology
No. 1, Nan-Tai Street, Yungkang Dist., Tainan City 71005, Taiwan

Office T1031-1
📞 886-6-2533131 ext. 8281
📠
✉ pwang@stust.edu.tw

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

Journal Papers
1. JEN-PENG HUANG, GENESIS SEMBIRING DEPARI, SRI VANDAYULI RIORINI, PAI-CHOU WANG, LEVERAGING SOCIAL MEDIA METRICS IN IMPROVING SOCIAL MEDIA PERFORMANCES THROUGH ORGANIC REACH: A DATA MINING APPROACH, Review of Economic Studies, 11(2), pp. 33048, 2018
2. Pai-Chou Wang, Monotonic Reducts Generation Using Fbhash in Rough Set, Journal of Southern Taiwan University, 39(1), pp. 81-98, 2014
3. Pai-Chou Wang, DYNAMIC REDUCTS GENERATION USING CASCADING HASHES, International Journal of Foundations of Computer Science, 25(2), pp. 219-246, 2014 (SCI)
4. 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)
5. Pai-Chou Wang, Highly scalable rough set reducts generation, Journal of Information Science and Engineering (Engineering, Vol. 23 (4), pp. 1281-1298, 2007 (SCI).
6. 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. Pai-Chou Wang, Yi-Hui, Huang, Supporting Stock Trading Decision using LSTM, National Management Practice and Academic Seminar, 2022
2. Pai-Chou Wang, LIU,YI-YI, New Generation of Web Architecture-Progressive Web App, The E-Learning and Information Technology Symposium 2019
3. Pai-Chou Wang, TSAI,TSUNG-JUI, Capacitor New generation of native bridge runtime-Capacitor, The E-Learning and Information Technology Symposium 2019

4. Pai-Chou Wang, AN IMPROVED ALGORITHM IN SEARCHING REDUCTIVE ATTRIBUTES IN DECISION TABLES, THE 14th INTERNATIONAL CONFERENCE ON KNOWLEDGE-BASED ECONOMY AND GLOBAL MANAGEMENT, 2018
5. Wei-Han Zheng, Pai-Chou Wang, WiShare - Extra Long Distance Mobile Data Sharing Using Wireless, The E-Learning and Information Technology Symposium, 2015
6. Pai-Chou Wang, Efficient Hash-Based Approximate Reduct Generation, IEEE 2011 International Conference on Granular Computing, Kaohsiung, Taiwan, pp.703-707, 2011
7. Pai-Chou Wang*, Yu-Chen Hsiao, Possible Reduct Generation using FBhash, International Conference on the Development and Practice of Enterprise Resource Management, 2011
8. Pai-Chou Wang,Willard Kordhage, "Process Scheduling using Genetic Algorithms" IEEE 7thSymposium on Parallel & Distributed Processing 1995, p.638-641

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

Professional Certifications
1. TQC-DK Domain KNOWHOW, Information Technology(Python) Professional, 2021-12-18
2. TQC+, Key Knowledge of IoT Development, 2020/8
3. ICDL, Computing-Python, 2020/5
4. TQC, Artificial Intelligence Applications and Technologies, 2019/8
5. Microsoft Technology Associate-Introduction to Programming using Python, Microsoft, 2018
6. Certiport, IC3-Computing Fundamentals, 2017/4
7. Certiport, IC3-Living Online, 2017/4
8. TQC, IOT Application and Technology, 2016/12
9. TQC, Cloud Technology and Internet Services, 2016/12
10. Microsoft Technology Associtae: HTML5 Application Development Fundamentals, Microsoft, 2015/10
11. Microsoft Technology Associtae: Windows Operating System Fundamentals, Microsoft, 2015/10
12. Big Data Processes and Analyzes, Computer Skills Foundation, 2015/8
13. Microsoft Technology Associtae: Database Administration Fundamentals, Microsoft, 2011/4
14. Microsoft Technology Associtae: Networking Fundamentals, Microsoft, 2011/4

Grants
1. Ministry of Education, Smart and Innovative Key Talent Leap Program (Class A), 2023/02/01 ~ 2024/01/31
2. Ministry of Education, Smart and Innovative Talent Cultivation Model School Program (Class A)-Cross-field Talent Cultivation Program in the Digital Economy Era,2022/02/01 ~ 2023/01/31
3. Ministry of Education, Smart and Innovative Talent Cultivation Model School Program (Class A)-Cross-field Talent Cultivation Program in the Digital Economy Era,2021/02/01 ~ 2022/01/31
4. Ministry of Education, Smart and Innovative Talent Cultivation Model School Program (Class A)-Cross-field Talent Cultivation Program in the Digital Economy Era,2020/02/01 ~ 2021/01/31
5. Ministry of Education, Smart and Innovative Talent Cultivation Model School Program (Class A)-Cross-field Talent Cultivation Program in the Digital Economy Era,2019/03/01 ~ 2020/01/31
6. Ministry of Education, Smart and Innovative Talent Cultivation Model School Program (Class A)-Cross-field Talent Cultivation Program in the Digital Economy Era,2018/02/01 ~ 2019/01/31
7. Adopting tree structure and UML to promote APP implementation ability for students in technical and vocational university- based on native hybrid framework, MOST 108-2637-H-218-002 -
8. Linear time reduct generaion in Rough sets using dominance consistencies, MOST 104-2221-E-218-008 -
9. Program of Information and Communication Security, Ministry of Education 3400-100P010

Entrusted Practical Projects

- Developing web based tutoring class management system, 行家資訊實業社, 2021-4-10~2021-10-10

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.

Patents

1. WANG, PAI CHOU, HUANG, PEI HUA, XU, WEI ZHI, HONG, CHENG XIANG, CIOU, DE YAO, KUO, GEN MING, PUSH NOTIFICATION SYSTEM, No. I568289, 2017/01/21
2. WANG, PAI CHOU, CHEN, HUI SHAN, GUO, GEN MING, DASHBOARD CAMERA DEVICE FOR AUTOMATED ACTIVATION OF A TURN SIGNAL, No. I542489, 2016/07/21
3. WANG, PAI CHOU, ZH LING, GUO, GEN MING, LIN MOBILE DEVICE'S MICROPHONE SIMULATION SYSTEM, No. I529612,2016/04/11
4. WANG, PAI CHOU, ZHENG, WEI HAN, GUO, MOBILE CLOUD SYSTEM FOR CLUSTER INTERCONNECTION AND INTERACTION AT OUTDOORS, No. I518624, 2016/01/21