HUI-LING HUANG (黃惠苓)

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

Office T0950-1
📞 886-6-2533131 ext.8200
📠
✉ hlhuang@stust.edu.tw

Education
- PhD, Computer Science & Information Engineering, National Taiwan University, 1997/6
- Master, Computer Science & Information Engineering, National Taiwan University, 1992/6

Area of Specialty
- Graph Theory
- Interconnection Networks
- Algorithm

Academic Experience
- Assistant Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 1997/8 to present

Journal Papers
1. Sientang Tsai, Wei-Yeh Chen, Hui-ling Huang (2014) "Using Sticker Model to Solve the Clique Problem on DNA-Based Computing," Computer Science and Information Technology, 2(6), 281-286.
2. Chao-Wen Huang, Hui-Ling Huang, Sun-Yuan Hsieh (2011) "Edge-bipancyclicity of star graphs with faulty elements," Theoretical Computer Science, 412(50), 6938-6947. [SCI]
3. Sun-Yuan Hsieh, Che-Nan Kuo, and Hui-Ling Huang (2009) "1-Vertex-Fault-Tolerant Cycles Embedding on Folded Hypercubes," Discrete Applied Mathematics, 157(14), 3094-3098. [SCI]
4. Tsong-Jie Lin, Sun-Yuan Hsieh, and Hui-Ling Huang (2009) "Cycle and Path Embedding on 5-ary N-cubes," Theoretical Informatics and Applications, 42(1), 133-144. [SCI]
5. Jywe-Fei Fang, Yuh-Rau Wang, and Hui-Ling Huang (2007) "The m-Pancycle- Connectivity of a WK-Recursive Network," Information Sciences, 177(24), 5611-5619. [SCI]
6. Sun-Yuan Hsieh, Tsong-Jie Lin, and Hui-Ling Huang (2007) "Panconnectivity and Edge-Pancyclicity of 3-ary N-cubes," Journal of Supercomputing, 42(2), 225-233. [SCI]
7. Gen-Huey Chen, Shien-Ching Hwang, Hui-Ling Huang, Ming-Yang Su, and Dyi-Rong Duh (2001) "A General Broadcasting Scheme for Recursive Networks with Complete Connection," Parallel Computing, (27), 1273-1278. [SCI]
8. Ming-Yang Su, Hui-Ling Huang, Gen-Huey Chen, and Dyi-Rong Duh (2000) "Node-disjoint Paths in Incomplete WK-recursive Networks," Parallel Computing, (26), 1925-1944. [SCI]
9. Hui-Ling Huang and Gen-Huey Chen (1999) "Combinatorial Properties of Two-level Hypernet Networks," IEEE Transactions on Parallel and Distributed Systems, 10(11), 1192-1199. [SCI]
10. Hui-Ling Huang and Gen-Huey Chen (1998) "Topological Properties and Algorithms for Two-Level Hypernet Networks," Networks, 31, 105-118. [SCI]

Conference Papers
1. C. C. Chen, Y. G. Lu, H. L. Huang, D. Y. Chen (2021) "Exploring Consumer-Suitable Products by Using Weighted Association Rules," Proceedings of the Academic Conference on Management and Innovation, Taiwan (R.O.C.), 2021/3/12. (in Chinese)
2. C. C. Chen, H. L. Huang, D. Y. Chen (2020) "Exploring Suitable Courses for Students Based on Association Rules," Proceedings of the 7th Huashan Conference on Education, Taiwan (R.O.C.),

2020/5/2. (in Chinese)

3. H. L. Huang, J. S. Kuo (2018) "The Impact of Addiction to Internet Surfing on Health of Junior High School Students," Proceedings of the 13th E-Learning and Information Technology Symposium, Taiwan (R.O.C.), 2018/5/2. (in Chinese)

4. H. L. Huang, P. S. Huang (2017) "The Impact of Consumer's Willing on Buying App Coupons - An Example of MacDonald," Proceedings of the 12th E-Learning and Information Technology Symposium, Taiwan (R.O.C.), 2017/5/3. (in Chinese)

5. C. C. Chen, M. C. Shen, H. L. Huang, B. Y. Zhang (2016) "Using Classification Analysis to Find the Adaptive Readers of Tourism Books," The 2016 Conference on STUST Department of Leisure, Recreation, and Tourism Management, Taiwan (R.O.C.), 2016/10/29. (in Chinese)

6. C. C. Chen, T. Y. Chen, H. L. Huang, D. L. Wu (2015) "Using Data Mining Techniques to Check Careless Diagnosis for Diseases," Proceedings of the 2015 International Conference on Humanities and Information - Globalization, Localization and Innovation, Taiwan (R.O.C.), 2015/12/3. (in Chinese)

7. C. C. Chen, M. C. Shen, H. L. Huang, J. Q. Ren (2015) "Using Data Mining Techniques to Find the Adaptive Consumers of Tourism Spot," The 2015 Conference on STUST Department of Leisure, Recreation, and Tourism Management, Taiwan (R.O.C.), 2015/11/28. (in Chinese)

8. C. C. Chen, H. L. Huang, Z. J. Huang, T. Y. Chen (2014) "Using Mining Techniques to Detect Fraud Bidders of Auction Goods," Proceedings of the Industrial Management and Information Application Innovations Conference, Yunlin County, Taiwan (R.O.C.), 2014/11/4. (in Chinese)

9. C. C. Chen, H. L. Huang, C. N. Chen, F. J. Hong (2013) "Using Clustering Methods to Find the Adaptive Readers of Books in Library," 2013 Asia Pacific International Conference on Small & Medium Enterprise Innovation, Yunlin County, Taiwan (R.O.C.), 2013/11/5. (in Chinese)

10. Hui-Ling Huang and Shi-Hsuan Weng (2012) "The Embedding Three-Dimensional Mesh into the Recursive Circulant Graph," Proceedings of the 7th E-Learning and Information Technology Symposium. (in Chinese)

11. Shi-Jing Tang and Hui-Ling Huang (2011) "A Study on the Change of Microsoft Windows Registry by Virus Infection - Taking Trojan for Example," Proceedings of the 6th E-Learning and Information Technology Symposium. (in Chinese)

12. Hui-Ling Huang and Yi-Jhong Lai (2006) "Fault Tolerance Measures in Recursive Circulant Graph on Forbidden Faulty Sets," Proceedings of the second International Conference on Computer and Network Technologies on Education. (in Chinese)

13. Hui-Ling Huang and Sin-Sian Wu (2005) "Fault Tolerance Measures in Folded Hypercube on Forbidden Faulty Sets," Proceedings of the 11th Mobile Computing Workshop. (in Chinese)

14. Shin-Feng Tsai and Hui-Ling Huang (2004) "On Arbitrary Binary Trees of Hypercubes," Proceedings of the 21th Workshop on Combinatorial Mathematics and Computation Theory, 228-233.

15. Ping-Ying Tsai and Hui-Ling Huang (2002) "Node-Disjoint Paths Algorithm on the Alternating Group Graph," Proceedings of the 17th Technology and Vocational Education Conference, 739-749.

16. Hao-Shun Hung and Hui-Ling Huang (2001) "Broadcasting on the Alternating Group Graph," Proceedings of the National Computer Symposium, A031-A041.

17. Hui-Ling Huang and Gen-Huey Chen (1997) "Combinatorial Properties of Two-Level Hypernet Networks," Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications, 1315-1324.

Dissertation
- A Study on Two-Level Hypernet Networks, Department of Computer Science and Information Engineering, National Taiwan University, June 1996, Advisors: Gen-Huey Chen.

Professional Certifications
1. MTA Introduction to Programming using Python, No: wbBuL-H9MW, Microsoft Technology

Associate, 2018/12.
2. Software Developer of APP for eBusiness MIT App Inventor 2, No: GP0044920803, Chinese Enterprise Resource Planning Society, 2018/10.
3. IC3 Computing Fundamentals, No: 6aEn-DwYq, Certiport, 2017/4.
4. IC3 Living Online, No: wv2Mw-FMKs, Certiport, 2017/4.
5. MTA HTML5 Application Development Fundamentals, No: F425-0574, Microsoft, 2015/10.
6. MTA Windows Operating System Fundamentals, No: F425-0573, Microsoft, 2015/10.
7. CERPS Fundamentals of APP for eBusiness MIT App Inventor 2.0, No: CERPS1504824, Chinese Enterprise Resource Planning Society, 2015/6.
8. TQC Mobile Device Application Professional, No: 132141200000710, Computer Skills Foundation, 2014/11.
9. TQC Webpage Program Design Certification HTML5, No: 232130900000640, Computer Skills Foundation, 2013/09.
10. ITE Linux Administration IT Expert Certification, No: 311121100000010, Information Technology Expert, 2012/11.
11. TQC Dreamweaver CS4 Web Design Advanced, Computer Skills Foundation, 2011/12.
12. MCAS Office Word 2007, Microsoft, 2010/3.
13. MCAS Office PowerPoint 2007, Microsoft, 2010/3.
14. MCAS Office Excel 2007, Microsoft, 2010/3.
15. MCAS Office Outlook 2007, Microsoft, 2010/3.
16. MCAS Office 2007 Master, Microsoft, 2010/3.
17. CCAI, No: 473456131362, Cisco, 2000/10.
18. Cisco Certified Network Associate - CCNA, No: CSCO10138179, Cisco, 2000/9.

Grants
1. National Science Council, No: NSC99-2221-E-218-026, "The Study on Linear Layout for Hypercubic Networks," 2010/8 - 2011/7.
2. National Science Council, No: NSC 93-2213-E-218-030, "A Study on Forbidden Faulty Sets for k-ary n-cubes," 2004/8-2005/7.
3. National Science Council, No: NSC 92-2213-E-218-027, "A Study on Forbidden Faulty Sets for Alternating Group Graph," 2003/8-2004/7.
4. National Science Council, No: NSC 91-2213-E-218-011, "A Study on Forbidden Faulty Sets for Hypernet," 2002/8-2003/7.
5. National Science Council, No: NSC 90-2213-E-218-020, "Fault-Tolerant Property of Variant Hypercube Networks," 2001/8-2002/7.
6. National Science Council, No: NSC 89-2213-E-218-001, "A Study on Generalized Hierarchical Completely-Connected Networks," 2000/8-2001/7.

Entrusted Practical Projects
1. H. L. Huang, 2017/1/1 - 2017/6/30, The Project on Making a Shopping Site for a Curtain Company, No: 331060010.
2. H. L. Huang, 2015/10/1 - 2016/3/31, An App for New Lifestyle Shopping Platform, No: 331040469.
3. H. L. Huang, 2015/5/1 - 2015/10/31, A New Application of the Hand Held Device on Fire Alarm System, No: PS104110183.
4. H. L. Huang, 2014/1/1 - 2014/5/31, Product Introduction Platform and Web App, No: 331030014.

Patents
1. Group Purchase Merchandise Trading Method for Different Discounts by Upgrading Discount Levels, 2019/2/11 – 2035/5/26, I650720.
2. Automatic Accumulative Commodity Auction Transaction Method for Screening the Winning Bidders, 2019/1/11 – 2036/6/6, I647640.

3. Computer Aided System for Sentencing on Drug Dealing, 2017/7/1 – 2035/12/22, I590184.
4. Verifying Methods, System, and Computer Programming Products for the Prize-Winning Data, 2016/7/11 – 2034/6/16, I541667.
5. Magnetic Ice Sticks, 2016/5/21 – 2025/12/29, M521900.
6. Advertising Playback Method and Apparatus, 2016/1/21 – 2034/2/4, I518641.
7. Concealed Firearms, 2014/7/1 – 2024/3/11, M481393.
8. The Power Supply I/O Device on Electronic Communication Equipment, 2014/5/11 – 2023/12/22, M478299.