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EDUCATION

Ph.D, 2003, Dept. of Electrical Engineering, National Cheng Kung Univ., Taiwan.
Master, 1995, Dept. of Electrical Engineering, National Cheng Kung Univ., Taiwan.
BS, 1993, Dept. of Electrical Engineering, National Cheng Kung Univ., Taiwan.

EXPERIENCE

2004/08 ~ Present	Assistant Professor, Dept. of Computer Science, National Chung Hsing Univ.
2002/06 ~ 2004/07	Senior Supervisory Engineer, Graphics Division, Ulead Systems, Inc., Taipei, Taiwan
1998/08 ~ 2000/12	Research Assistant, Dept. of Geomatics, National Cheng Kung Univ.
1997/09 ~ 1998/06	Teaching Assistant, Dept. of Electrical Engineering, National Cheng Kung Univ.

ACADEMIC ACTIVITIES

International Journal/Transactions Reviewer

- [1] International Journal of System Science (2005)
- [2] Journal of the Franklin Institute (2005)
- [3] Journal of Technology (2005)

Program committee member /Reviewer:

- [1] The International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT), Taipei, Taiwan, 4-7 December, 2006. (IEEE Computer Society, EI)
- [2] The First Conference of Intelligent Living Technology (ILT 2006), National Chin-Yi Institute of Technology, Taichung, Taiwan, 9 June, 2006.
- [3] International MultiConference of Engineers and Computer Scientists (IMECS 2006),

Hong Kong, 20-22 June, 2006.

- [4] IEEE International Symposium on Circuits and System (ISCAS-2006), Island of Kos, Greece, 21-24 May, 2006.
- [5] International Conference on Computing, Communications and Control Technologies: CCCT'04, Austin, Texas, USA, August, 2004

PUBLICATIONS

(A) Journal Articles

- [1] "A New Operational Approach for Solving Fractional Calculus and Fractional Differential Equations Numerically", Jiunn-Lin Wu* and Chin-Hsing Chen, to appear in *IEICE Trans. on Fundamentals of Electronics, Communications and Computer Sciences*, Special Section on Discrete Mathematics and Its Applications, pp.1077-1082. May 2004. (SCI, EI)
- [2] "Model Reduction via Haar Wavelets", Jiunn-Lin Wu*, Chin-Hsing Chen and Chih-Fan Chen, *Control and Intelligent Systems*, Vol. 29, No 2, pp. 29-32, 2001. (EI)
- [3] "Numerical Inversion of Laplace Transform Using Haar Wavelet Operational Matrices", Jiunn-Lin Wu*, Chin-Hsing Chen and Chih-Fan Chen, *IEEE Trans. on Circuits and Systems-Part I: Fundamental Theory and Applications*, Vol. 48, No. 1, pp.120-122, January 2001. (SCI, EI)
- [4] "A Fast Two Stage Classification Method for High Dimensional Remote Data", Te-Ming Tu, Chin-Hsing Chen*, Jiunn-Lin Wu and Chein-I Chang, *IEEE Trans. on Geoscience and Remote Sensing*, Vol.36, No.1, pp.182-191, January 1998. (SCI, EI)
- [5] "Analysis of Control Systems Involving Irrational Transfer Functions via Haar Wavelets", Chih-Fan. Chen* and Jiunn-Lin Wu, *Control and Computers*, Vol. 25, No 1, pp.5-11, 1997. (EI)

(B) Conference Papers

- [1] "A Hybrid Vector Filter for Color Image Noise Reduction", Jiunn-Lin Wu* and Shi-Jie Wu, The first conference on Intelligent Living Technology, Taichung, Taiwan, June 9, 2006. (NSC94-2515-S-005-002)
- [2] "A Study of Clustering Algorithm Based on Central Symmetry", Jiunn-Lin Wu* and Chu-Hsuan Huang, The first conference on Intelligent Living Technology, Taichung, Taiwan, June 9, 2006.
- [3] "An Automatic Counting System for The Microscopic Images of The Human Skin Keratinocytes (HaCaT) Cells", Jiunn-Lin Wu*, Chun-Yu Chuang and Chun-Hsueh Li, The first conference on Intelligent Living Technology, Taichung, Taiwan, June 9, 2006.
- [4] "An Improved Method for Constructing High Dynamic Range Photographs", Jiunn-Lin Wu* and Je-Lun Jia, 2006 Symposium on Digital Life Technologies-Building a Safe, Secured and Sound (3S) Living Environment, Tainan, Taiwan, June 1-2, 2006. (NSC94-2213-E-005-004)
- [5] "An Efficient Method for Enhancing High-Contrast Digital Photos Automatically", Jiunn-Lin Wu* and Chia-Yi Chuang, Proceeding of IAENG International Workshop on Imaging Engineering (IWIE'06), Hong Kong, pp. 502 - 506, June 20-22, 2006. (NSC94-2213-E-005-004)
- [6] C.C. Chang, Y.C. Wang, J.L. Wu, C.M. Liu, F.C. Sung, Y.L. Huang, W.Y. Lin, C.Y.

Chuang*, “The Impact of Climate Change on Gastrointestinal Diseases in Taiwan”, Conference of the 18th International Society for Environmental Epidemiology (ISEE), Paris, France, September 2-6, 2006.

- [7] “A Novel Algorithm for Synthesizing Directional Temporal Texture Animation”, Chao-Hung Lai* and Jiunn-Lin Wu, Proceeding of the IASTED International Conference on advances in computer science and technology, ACST 2006, Puerto Vallarta, Mexico, pp. 180-185, January 23-25, 2006. (EI)
- [8] “The Impact of Weather on Cardiovascular Mortality in Taiwan Metropolitans”, Y.C. Wang*, C.Y. Chuang, J.L. Wu, C.C. Chang, C.M. Liu and F.C. Sung, Conference on the Progress in Climate Change and Sustainable Development Research, Taipei, July 20-22, 2005. (NSC94-EPA-Z-039-001)
- [9] “The Impact of Weather on Respiratory Mortality in Taiwan Metropolitans”, Y.C. Wang*, C.Y. Chuang, J.L. Wu, C.C. Chang, C.M. Liu and F.C. Sung, Conference on the Progress in Climate Change and Sustainable Development Research, Taipei, July 20-22, 2005. (NSC94-EPA-Z-039-001)
- [10] “A New Operational Approach for Solving Fractional Calculus and Fractional Differential Equations Numerically”, Jiunn-Lin Wu* and Chin-Hsing Chen, *IASTED International Conference on Software Engineering and Applications (SEA 2003)*, Marina Del Bay , USA, pp.516-522, November 2003. (EI)
- [11] “A Novel Numerical Method for Solving Partial Differential Equations via Operational Matrices”, Jiunn-Lin Wu* and Chin-Hsing Chen, Proceeding of the 7th World Multiconference on Systemics, Cybernetics and Informatics, Orlando, USA, Vol.5, pp.276-281, July 2003.
- [12] “A Hybrid Case-Based Reasoning Approach for the Electrocardiogram Diagnosis”, Chia-Wen Chu, Tzu-Fu Chiu and Jiunn-Lin Wu*, Proceeding of the 7th World Multiconference on Systemics, Cybernetics and Informatics, Orlando, USA, Vol.5, pp.93-98, July 2003.
- [13] “Model Reduction via Haar Wavelets”, Jiunn-Lin Wu*, Chin-Hsing Chen and Chih-Fan Chen, Proceeding of the IASTED International Conference on Modeling, Identification, and Control, Innsbruck, Austria, pp.234-238, February 2001. (EI)
- [14] “A Wavelet Method for Solving Fractional Differential Equations”, Chin-fan Chen and Jiunn-Lin Wu*, Proceeding of the PIERS (Progress in Electromagnetics Research Symposium) International Conference, Boston, USA, pp. 593, July 2000.
- [15] “A Unified Derivation of Operational Matrices for Integration in Systems Analysis”, Jiunn-Lin Wu*, Chin-Hsing Chen and Chih-Fan Chen, Proceeding of IEEE International Conference on Information Technology: Coding and Computing, Las Vegas, USA, pp. 436-442, March 2000. (EI)
- [16] “An Application of Virtual Reality in the 3D city model construction via VRML”, Shue-Chia Wang* and Jiunn-Lin Wu, Proceeding of the Conference on Computer Applications in Civil and Hydraulic Engineering, Taichung, Taiwan, pp. 1915-1921, February 2000.

- [17] “Analysis of Infinite Dimensional Systems via Wavelets”, Chin-fan Chen* and Jiunn-lin Wu, Proceeding of the PIERS (Progress in Electromagnetics Research Symposium) International Conference, Taipei, Taiwan, 1999.
- [18] “A Wavelet Operational Method for Solving Partial Differential Equations”, Chin-fan Chen* and Jiunn-lin Wu, Proceeding of the PIERS (Progress in Electromagnetics Research Symposium) International Conference, Nantes, France, July 1998.
- [19] “Numerical Inverse Laplace Transforms via Haar Wavelets for Irrational Transfer Function Evaluation”, Chih-Fan Chen* and Jiunn-Lin Wu, Proceeding of the Fourteenth IASTED International Conference on Modeling, Identification, and Control, Austria, February 1995. (EI)