Professor Tian, Xiao Lin

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Academic Qualification:

Ph.D. in Science, Peking University (1988)

Teaching Area

SIGNALS & SYSTEMS
DIGITAL IMAGE PROCESSING

Research Area

Image processing and Pattern Recognition

Working Experience

Peking University: Teaching assistant (1978), lecturer (1982), Associate Professor (1989).
Visiting Scholar, Computer Vision Group in Artificial Intelligence Lab at EECS. University of Michigan, Ann Arbor, MI. USA (1989).
Research Associate, Institute for Advanced Computer Studies, University of Maryland, Collage Park, MA. USA (1990).
ExperVision Inc.(San Jose, CA, USA) Researcher (1991), Senior Researcher (1992), Director of Engineering Department (1994,).
CEON Corporation.(Redwood city, CA, USA) Senior Software Engineer(1995), Project lead (1996).

SARATOGA Systems, Inc.(Campbell, CA, USA) Senior Software Engineer(2000), Principal Engineer(2001).

Academic Publication (selected)

1. XiaoLin Tian, Yan Zhao, Zesheng Tang;“Extended Histograms for Color Image and Its Application”，Proceedings of the International Conference on Imaging Science, Systems, and Technology (CISST'04: 2004, Las Vegas, Nevada, USA ISBN: 1-932415-35-1, pp620-626).

2. Xiaolin Tian, Yan Zhao , Chenjun Tao, Zesheng Tang;“Background Removal For Color Images Based On Color Components Differences”，《Signal and Image Processing ~SIP 2004~》,（ISSN:1482-7921; ISBN: 0-88986-434-9）; Acta Press.

3. Xiaolin Tian , Qing Tian , Junsheng Li;“A Simple Method of Virtual Sample for a Class of Coarse Fiber Design”， Proceedings of the 11th International Workshop on Systems, Signals and Image Processing (IWSSIP'04, 2004,Poznan, Poland; ISBN: 83-906074-8-4, pp251-254).

4. Yan Zhao, Chenjun Tao, Xiaolin Tian, Zesheng Tang;“A New Segmentation Algorithm for the Visible Human Data”，the 27th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. 2005, ISBN:0-7803-8470-6;3.3.4-43

5. Xiaolin Tian, Xueke Li, Yankui Sun, Zesheng Tang;“Transfer Colors From CVHD to MRI Based On Wavelets Transform”，pp381- 388,《Wavelet Analysis and Applications》; ISBN 978-3-7643-7777-9, Springer.

6. Xiaolin Tian, Honcheng Wong, Yankui Sun, Zesheng Tang; “An Automatic Algorithm To Get Brain Tissues From Human Head Cryosection Images”; Proceeding of the 8th China-Japan-Korea Symposium on Medical Informatics (CJKMI'06), pp27-30, 2006, Cheju Island, Korea.

7. Jun Yin, Xiaolin Tian, Yankui Sun, Zesheng Tang;“A Histogram Based Fast Enhancement Algorithm for CT Head Images”; International Conference on Biomedical and Pharmaceutical Engineering,ICBPE 2006. pp39-43, Singapore, ISBN: 81-904262-1-4.
8. Xiaolin Tian, Jun Yin, Yankui Sun, Zesheng Tang, “A Simple Enhancement Algorithm for MR Head Images”, 《Medical Imaging and Informatics》, LNCS 4987，pp57-62, ISBN：9783540794899.
9. 田小林，蘇志華；“計算機自動識別真假變色防偽標簽的研究”，《澳門科技大學學報》，第一卷，第一期，pp16-21,2007。
10. 侯仁斌，田小林，孫延奎，唐澤聖;“一種基于小波域互信息量計算的醫學圖像融合新算法”，中國生物醫學工程聯合學術年會2007,《中國生物醫學工程進展》pp504-507, 西安交通大學出版社, ISBN: 978-7-5605-24444-3.
11. 吳軍，田小林，孫延奎，唐澤聖，“一種新的基於小波變換的自適應MRI增強算法”，《計算機應用研究》，2008年、第6期，第25卷，pp1771-1775
12. Mengyue Hu, Xiaolin Tian, Shaowei Xia, Yue Qin， “Image scrambling based on 3-D Hilbert curve” 2010 3rd International Congress on Image and Signal Processing (CISP 2010), ISBN: 978-1-4244-6514-9
13. 袁漪，田小林，夏紹瑋, “關于能量比較的數字音頻盲水印方案”,《計算機工程與應用》, 2011，47（1）, pp131-134
14. Chuzhong ZHUANG, Li ZHANG, Xiaolin TIAN, Shaowei XIA, “A Novel Anti-geometric-attacking Watermarking Algorithm Based on Harris Feature Points”, 2011 4th International Congress on Image and Signal Processing, 978-1-4244-9305-0/11 © 2011 IEEE, pp1017-1021
15. Huang Siwei, Zhang Ang, Tian Xiaolin, Sun Yankui, “Dynamic Adaptive Weight Multi-scale and Multi-structure Morphological Edge Detection in Anterior Chamber OCT Images”, Advanced Materials Research Vol. 340 (2012) pp70-75.
16. Kam-Tong Sam, Xiao-Lin Tian. Vehicle logo recognition using modest AdaBoost and radial Tchebichef moments. Proceedngs of International Conference on Machine Learning and Computing, 2012, pp91-95.

Professional Certification and Awards

Professional Society Membership