6. Dissertations and Theses

PH.D. GRADUATES (39)

5. Agustine Iffraguerri, Hyperspectral Image Analysis with Convex Cones and Projection Pursuit, Electrical Engineering, May 2000, Electrical Engineer, SAIC.
6. Qian Du, Topics in Hyperspectral Image Analysis, Electrical Engineering, May 2000, Associate Professor, Department of Electrical and Computer Engineering, University of Mississippi.
7. Huan Ren, Unsupervised and Generalized Orthogonal Subspace Projection and Constrained Energy Minimization for Target Detection and Classification in Remotely Sensed Imagery, Electrical Engineering, May 2000, Associate Professor of Computer Science and Information Engineering and Research Assistant Scientists of Center for Space and Remote Sensing Research, National Central University, Taiwan.
8. Chien-Shun Lo, Computer-Aided System for Diagnosis of Clustered Microcalcifications in Mammograms, Department of Electrical Engineering, National Cheng Kung University, Tainan, Taiwan, June 2000 (co-advisor with Professor Pau-Choo Chung and Dr. San-Kan Lee in Taiwan), Assistant Professor, Department of Multimedia Design, National Formosa University, Taiwan.
10. Shao Shan Chiang, Automatic Target Detection and Classification in Hyperspectral Imagery, Electrical Engineering, May 2001, Associate Professor, Department of Electrical Engineering, Linghua University of Science and Technology, Taiwan.
11. Chun-Mu Wang, Applications of Multispectral Imaging Processing Techniques to Brain Magnetic Resonance Image Classification, Department of Electrical Engineering, National Cheng Kung University, Tainan, Taiwan, June 2002 (co-advisor with Professor Pau-Choo Chung in Taiwan), Associate Professor, Department of Computer Science and Information Engineering, National Chin-Yi University of Technology.
12. Yingzi Du, Text Detection and Restoration for Color Video Images, Electrical Engineering, May 2003, Assistant Professor, Department of Electrical and Computer Engineering, Indiana University-Purdue University Indianapolis.
15. Sheng-Chi Yang, Design and Development of Computer-Aided Mammography Screening System for Mass Detection, Department of Electrical Engineering, National Cheng Kung University, Tainan, Taiwan, June 2006 (co-advisor with Professor Pau-Choo Chung and Dr. Sam-Kan Lee) Associate Professor, Department of Computer Science and Information Engineering, National Chin-Yi University of Technology.
21. Haqiang Min Chen, Multispectral Brain Magnetic Resonance Imaging Analysis Using Hyperspectral Imaging Processing Techniques, Department of Electrical Engineering, National Chung Hsing University, Assistant Professor of Biomedical Engineering, Hungkung University (Co-advisor with Professor Y.C. Ouyang, post-doctor medical fellow, Chine Y. Medical University, Taichung, Taiwan).
23. Weimin Liu, Unsupervised Hyperspectral Target Recognition, Electrical Engineering, June 2008, currently assistant professor, Department of Computer Science and Information Engineering, National Chung Cheng University, Taiwan.
24. Chao-Cheng Wu, Design and Analysis of Endmember Extraction Algorithms for Hyperspectral Imagery, Electrical Engineering, May 2009, Assistant Professor of Electrical Engineering, National Taiwan University of Technology, Taiwan.
25. Xiaoli Jiao, Unsupervised Hyperspectral Target Detection and Classification, Computer Science, May 2010. (co-advisor with Professor Y. Du), currently research associate with SAIC.
27. Wei Xiong, Estimation of Effective Spectral Dimensionality for Hyperspectral Imagery, Electrical Engineering, April 14, 2011, currently software engineer, with Aviana, Boston, MA.
32. Peter Hu, Computer Science, 3D ROC Abnormality in Predicting Trauma Patient Outcomes Using Vital Signs Signals, Computer Science, May 2013, director of information technology, University of Maryland Hospital.
36. Hsiao-Chi Li, Growing Simplex Volume Analysis for Finding Endmembers in Hyperspectral Imagery, Electrical Engineering, May 2016, assistant professor, Department of Computer Science and Information Engineering, Fu Jen Catholic University, New Taipei City, Taiwan, ROC.
39. Li-Chien Lee, Hyperspectral Band Selection by Virtual Dimensionality, Electrical Engineering, May 2018, Facebook, Inc.

**MASTER GRADUATES WITH THESES (32)**

18. Y. Liao, Mass Detection in Mammography Using Texture Analysis, Department of Information Engineering, National Ceng Kung University, June 2002 (co-advisor with Professor Shu-Mei Guo)
23. Weimin Liu, Supervised and Unsupervised Classification for Purdue Indian Pines Test Site, November 2005.
25. Shih-Wei Wang, Exploring the Effectiveness of ICA with Classifier in Quantitative Volume Measurement of Brain MRI, Department of Electrical Engineering, National Chung Hsing University, July 2007. (co-advisor with Professor Yen-Chieh Ouyang)
26. Yi-Hsu Lee, Improving Brain Tissue Classification ICA-SVM of MRI Acquired with multiple-channel phase-Array Coil, Department of Electrical Engineering, National Chung Hsing University, July 2008. (co-advisor with Professor Yen-Chieh Ouyang)
27. Ying-Cheng Lin, Development of Graphics User Interface for MRI Brain Imaging and Optional Parameter Finding, Department of Electrical Engineering, National Chung Hsing University, July 2008. (co-advisor with Professor Yen-Chieh Ouyang)
28. Wen-Qian Su, Kernel Principal Component Analysis with Applications In Multispectral Brain Magnetic Resonance Image Analysis, Department of Electrical Engineering, National Chung Hsing University, July 2008. (co-advisor with Professor Chin Hsing Lo)
32. Shih Yu, Chen, A Hyperspectral Imaging Approach to Unsupervised Magnetic Resonance Brain Tissue Classification, Department of Electrical Engineering, National Chung Hsing University, February 2010. (co-advisor with Professor Yen-Chieh Ouyang)

**MASTER GRADUATE WITH SCHOLARLY PAPERS (13)**

PH.D. DISSERTATIONS CURRENTLY IN PROCESS (7)

5. Charles Porta, Electrical Engineering.
6. Bai Xue, Mixed Pixel-Based Approaches to Hyperspectral Image Classification, Electrical Engineering.

MS THESES CURRENTLY IN PROCESS (0)

None.

UNDERGRADUATE WITH SCHOLARLY PAPERS UNDER SUPERVISION


VISITING RESEARCH SCHOLARS (12)

1. Hua-Lei Zhang, Associate Chairman, Department of Radioelectronics, Anhui University, Anhui, China, August 1992-February 1993.
2. Long-Yi Tsai, Professor and Chairman, Department of Mathematical Sciences, National Chengchi University, Taipei, Taiwan, September 1992-June 1993.
3. Gwi Tae Park, Professor and Chair, Department of Electronics Engineering, Korea University, Korea, July 23 1996-August 31, 1997.
4. Jih-Horng Lee, Professor, Department of Electrical Engineering, National Taiwan University, ROC, September 1, 1996-December 3, 1996.
5. Huei-Jeng Lin, Professor and Chair, Department of Engineering Science and Ocean Engineering, National Taiwan University, January 2004-June 2004.
6. Antonio J. Plaza, Associate Professor, Department of Computer Science, University of Extremadura, Spain, March 2003-November 2004.
7. Ying Fu, Associate Professor, University of Jinan, China, February 2011-August 2011.
8. Chunhong Liu, Associate Professor, China Agriculture University, China, 1/2012-12/2012.
9. Liaoying Zhao, Associate Professor, Department of Computer Science, Hangzhou Dianzi University, China, 3/13-8/13.
10. Meiping Song, Associate Professor, Information and technology college, Dalian Maritime University, 9/13-8/14.
11. Lin Wang, Associate Professor, Xidian University, Xian, China, April, 2015-April 2016.
14. Qiang Wang, Assistant Professor, Information and technology college, Dalian Maritime University, 9/18-8/19.