



5th IAPR Workshop on Pattern Recognition in Remote Sensing (PRRS 2008)

December 7, 2008
Hyatt Regency Hotel, Room 5, Tampa, Florida, USA
(in conjunction with ICPR 2008)

WORKSHOP PROGRAM

08:30-08:40 **Opening remarks**

08:40-09:30 **Invited talk**

Dr. James C. Tilton, NASA Goddard Space Flight Center, Greenbelt, MD, USA
Title: "Object-based image analysis utilizing image segmentation hierarchies"

09:30-09:50 **Coffee break**

09:50-11:30 **Session 1**

- "Automatic Registration of Inter-band and Inter-sensor Images using Robust Complex Wavelet Feature Representations," by A. Wong, D. Claudi, University of Waterloo
- "Extraction of Building Polygons from SAR Images: Grouping and Decision-Level in the GESTALT System," by E. Michaelsen, FGAN-FOM, U. Stilla, TU Munich, U. Soergel, University of Hannover, L. Doktorski, FGAN-FOM
- "Optimization Algorithms in FMRF Model-Based Segmentation for LIDAR Data and Co-registered Bands," by Y. Cao, H. Wei, University of Reading, H. Zhao, Beihang University
- "Automatic Vehicle Extraction from Airborne LiDAR Data of Urban Areas Using Morphological Reconstruction," by W. Yao, S. Hinz, U. Stilla, Technische Universitaet Muenchen

11:30-13:00 **Lunch**

13:00-14:40 **Session 2**

- "An SVDD Approach to Global Subpixel Anomaly Detection," by W. Sakla, A. Chan, J. Ji, Texas A&M University
- "On the Performance Improvement for Linear Discriminant Analysis-Based Hyperspectral Image Classification," by Q. Du, N. Younan, Mississippi State University
- "Implementation of Belief Propagation on the GPU using CUDA with application towards Cloud Tracking and Reconstruction," by S. Grauer-Gray, C. Kambhamettu, University of Delaware, K. Palaniappan, University of Missouri
- "Automated crater mapping around the Gusev crater, Mars," by J. Saraiva, L. Bandeira, C. Barreira, P. Pina, Instituto Superior Tecnico

14:40-15:00 **Coffee break**

15:00-16:15 Session 3

- “Combining AMSR-E and QuikSCAT image data to improve sea ice classification,” by P. Yu, D. Clausi, University of Waterloo, R. De Abreu, T. Agnew, Environment Canada
- “Streamline Regularization for Large Discontinuous Motion of Sea Ice,” by M. Thomas, C. Geiger, C. Kambhamettu, University of Delaware, P. Kannan, University of Pittsburgh
- “MAGIC: MAp-Guided Ice Classification System for Operational Analysis,” by D. Clausi, A. Qin, M. S. Chowdhury, P. Yu, University of Waterloo, P. Maillard, Universidade Federal de Minas Gerais

16:15-16:45 Algorithm performance contest results

16:45-17:00 Closing remarks