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Introduction

Welcome to the Eighth Symposium on Multispectral Image Processing and Pattern Recognition (MIPPR) in the city of Wuhan, China.

The MIPPR symposium has a broad charter. Multispectral is interpreted not just multiple-wavelength in a narrow sense, but also multi-sensor, multi-modal and multimedia. 'Multispectral' covers many disciplines such as sensing, image processing, computer vision, pattern recognition, and involves the development of efficient processing algorithms and their optimization and implementation. The wide range of applications considered in this symposium includes automatic target recognition, autonomous navigation, medical image processing, remote sensing, geographic information systems, biometrics, and many others.

The MIPPR symposium provided a forum for scientists and engineers from universities and government laboratories to meet and exchange ideas. We expect that there were ample discussions both inside and outside the lecture halls, and that MIPPR 2013 was viewed as an exciting meeting.

In response to the Call for Papers, we received 399 submissions. Based on the reviews provided by an excellent program committee we accepted 226 papers covering many aspects of multispectral image processing and pattern recognition. The proceedings of the MIPPR symposium consists of 5 volumes:

- Multispectral Image Acquisition, Processing and Analysis (SPIE Volume 8917)
- Automatic Target Recognition and Navigation (SPIE Volume 8918)
- Pattern Recognition and Computer Vision (SPIE Volume 8919)
- Parallel Processing of Images and Optimization and Medical Imaging Processing (SPIE Volume 8920)
- Remote Sensing Image Processing, Geographic Information Systems, and Other Applications (SPIE Volume 8921)

The realization of a conference depends upon the hard work of many dedicated people. We thank all the members of the organizing committee for putting together this Symposium for the benefit of all the researchers, and for making this conference a success. We hope the papers and the research results presented at MIPPR 2013 will inspire new research in all the areas related to multispectral image processing and pattern recognition.

Bir Bhanu