MIPPR 2019: Pattern Recognition and Computer Vision

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Introduction


MIPPR is a flagship biennial symposium which focuses mainly on the latest research in multispectral image processing and pattern recognition. The symposium has a broad charter. Multispectral is interpreted not just multiple-wavelength in a narrow sense but also multi-sensor, multi-modal, and multimedia. It 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 include automatic target recognition, autonomous navigation, medical image processing, remote sensing, geographic information systems and many others.

The symposium provides a forum for scientists, professors, engineers, and graduate students from universities, industries, and government laboratories to meet and exchange ideas and discuss theories, techniques, algorithms, and applications in multispectral image processing and pattern recognition. As expected, there were ample discussions both inside and outside the lecture halls helping to make MIPPR 2019 an exciting meeting.

In response to the Call for Papers, we received 258 submissions. Based on the reviews provided by an excellent program committee we accepted 199 papers covering many aspects of multispectral image processing and pattern recognition. To ensure a high-quality conference, all abstracts and Proceedings of SPIE papers are reviewed by the peers for technical merit and English expression. The proceedings from MIPPR 2019 consist of five volumes which will be included on the SPIE Digital Library.

- MIPPR 2019: Multispectral Image Acquisition, Processing, and Analysis (SPIE Volume 11428)
- MIPPR 2019: Automatic Target Recognition and Navigation (SPIE Volume 11429)
- MIPPR 2019: Pattern Recognition and Computer Vision (SPIE Volume 11430)
- MIPPR 2019: Parallel Processing of Images and Optimization Techniques; and Medical Imaging (SPIE Volume 11431)

The realization of a conference depends upon the hard work of many dedicated people. We would like to thank all the members of the Organizing Committee to
put together this symposium for the benefit of all the researchers. They are responsible for making this conference a success. We hope the papers and the research results presented at this conference will inspire new research in all the areas related with multispectral image processing and pattern recognition.

Bir Bhanu