



Special Session on Low-Level Color Image Processing

1. Introduction

Color perception plays an important role in object recognition and scene understanding both for humans and intelligent vision systems. Recent advances in digital color imaging and computer hardware technology have led to an explosion in the use of color images in a variety of applications including medical imaging, content-based image retrieval, biometrics, watermarking, digital inpainting, remote sensing, digital multimedia, visual quality inspection, among many others. As a result, automated processing and analysis of color images has become an active area of research, which is witnessed by the large number of publications during the past two decades. The multivariate nature of color image data presents new challenges for researchers and practitioners as the numerous methods developed for single channel images are often not directly applicable to multichannel images.

The goal of this special session is to bring together researchers and practitioners working in the area of Color Image Processing. We are soliciting original contributions, which address a wide range of theoretical and practical issues related to the early stages of the Color Image Processing pipeline including, but not limited to:

- ▷ Color Image Coding and Compression
- ▷ Color Image Quantization and Halftoning
- ▷ Color Image Filtering and Enhancement
- ▷ Color Morphology
- ▷ Color Edge Detection
- ▷ Color Image Segmentation
- ▷ Digital Camera Image Processing (Demosaicking, Zooming, Postprocessing, etc.)
- ▷ Multispectral Image Processing
- ▷ Applications and Future Trends

2. Paper Submission

Prospective authors are invited to submit either long papers up to 10 pages in length, or short papers up to 4 pages in length. The long papers will be for the single-track oral presentation, whereas the short ones will be mostly for poster presentation. In submitting a manuscript to APSIPA ASC, the authors acknowledge that no paper substantially similar in content has been or will be submitted to another conference during the review period. Paper submissions can be made at <https://splab.cs.kitami-it.ac.jp/apsipa2009/user/action.php>

3. Important Dates

Submission deadline: April 30, 2009

Notification of acceptance: July 1, 2009

Camera-ready deadline: August 1, 2009

4. Special Session Organizers

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