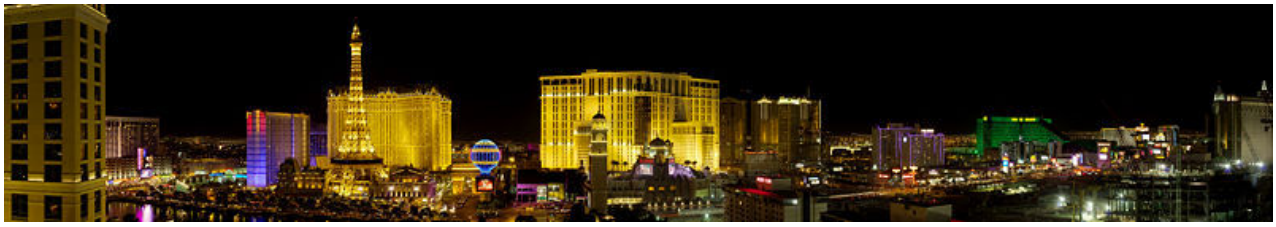

6th International Symposium on Visual Computing
Special Track on Low-Level Color Image Processing

November 29 – December 1, 2010
Monte Carlo Resort & Casino
Las Vegas, Nevada, USA
http://www.isvc.net

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, 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 n o t directly applicable to multichannel images.

The goal of this special track 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 papers of no more than 10 pages including results, figures and references. In submitting a manuscript to ISVC10, the authors acknowledge that no paper substantially similar in content has been or will be submitted to another conference during the ISVC10 review period. All papers, regardless to whether accepted as orals or posters, will appear in the symposium proceedings, which will be published by Springer-Verlag in the Lecture Notes in Computer Science (LNCS) series.

3. Important Dates

Submission of full-length papers: July 12, 2010
Notification of acceptance: August 31, 2010
Submission of camera-ready papers: September 15, 2010

4. Special Track Organizers

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