Color Image Processing

Guest Editor:

Prof. Dr. Edoardo Provenzi

IMB Institute de Mathématiques de Bordeaux UMR 5251, Université de Bordeaux, 351, cours de la Libération-33405, 33405 Talence, France

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closed (30 June 2017)

Message from the Guest Editor

Color is one of the most important and fascinating attributes of the natural environment due to its intrinsic multidisciplinary nature. Research about color is becoming more and more prevalent in image processing and computer vision. The intent of this Special Issue is to provide a framework where scientists in several different disciplines can illustrate their research related to color in imaging, in particular:

- Computational color vision models;
- Perceptually-inspired color image and video processing;
- Variational and patch-based techniques applied to color images;
- High dynamic range imaging;
- Color data compression and encoding;
- Color image/video indexing, retrieval, quality assessment, watermarking;
- Color constancy, saliency and texture;
- Multispectral imaging;
- Geometry of color spaces;
- Material appearance;
- Color and contrast measures;
- Statistics of natural images;
- Interactions between color science and other disciplines such as art, medicine, psychology, and so on.

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Special Issue

Editor-in-Chief

Prof. Dr. Raimondo Schettini
Department of Informatics,
Systems and Communication,
University of Milano-Bicocca,
viale Sarca, 336, 20126 Milan, Italy

Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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