

Table of Contents

Invited Talks

Colour Spaces for Colour Transfer	1
<i>Erik Reinhard and Tania Pouli</i>	
Perception Based Representations for Computational Colour	16
<i>Maria Vanrell, Naila Murray, Robert Benavente, C. Alejandro Párraga, Xavier Otazu, and Ramon Baldrich</i>	
Color Imaging Arithmetic: Physics $\cup$ Math $>$ Physics + Math	31
<i>Gaurav Sharma</i>	

Computational Photography

Region-Based Annotation of Digital Photographs	47
<i>Claudio Cusano</i>	
Adaptive Edge Enhancing Technique of Impulsive Noise Removal in Color Digital Images	60
<i>Bogdan Smolka</i>	
Human Skin Color Simulator Using Active Illumination	75
<i>Motonori Doi, Akira Kimachi, Shogo Nishi, and Shoji Tominaga</i>	
Estimation of Multiple Illuminants Based on Specular Highlight Detection	85
<i>Yoshie Imai, Yu Kato, Hideki Kadoi, Takahiko Horiuchi, and Shoji Tominaga</i>	

Color and Perception

Subjective Evaluation of Specular Appearance for Multiple Observations Using Projector-Based Appearance Reproduction	99
<i>Mayu Yokoya, Shoji Yamamoto, Yasuki Yamauchi, Satoshi Yamamoto, Osama Ouda, Toshiya Nakaguchi, and Norimichi Tsumura</i>	
Spatial Colour Gamut Mapping by Means of Anisotropic Diffusion	113
<i>Ali Alsam and Ivar Farup</i>	
Enhancing Underexposed Images Preserving the Original Mood	125
<i>Silvia Corchs and Francesca Gasparini</i>	

On the Application of Structured Sparse Model Selection to JPEG Compressed Images	137
<i>Giovanni Maria Farinella and Sebastiano Battiato</i>	

Color Imaging

Material Classification for Printed Circuit Boards by Kernel Fisher Discriminant Analysis	152
<i>Takahiko Horiuchi, Yuhei Suzuki, and Shoji Tominaga</i>	
Color Correction: A Novel Weighted Von Kries Model Based on Memory Colors	165
<i>Alejandro Moreno, Basura Fernando, Bismillah Kani, Sajib Saha, and Sezer Karaoglu</i>	
Fast Color-Weakness Compensation with Discrimination Threshold Matching	176
<i>Rika Mochizuki, Satoshi Oshima, and Jinhui Chao</i>	
Video-Based Illumination Estimation	188
<i>Ning Wang, Brian Funt, Congyan Lang, and De Xu</i>	

Computational Imaging

Effective Color Image Retrieval Based on the Gaussian Mixture Model	199
<i>Maria Luszczkiewicz-Piatek and Bogdan Smolka</i>	
Detecting Text in Natural Scenes Based on a Reduction of Photometric Effects: Problem of Color Invariance	214
<i>Alain Trémeau, Christoph Godau, Sezer Karaoglu, and Damien Muselet</i>	
Detecting Text in Natural Scenes Based on a Reduction of Photometric Effects: Problem of Text Detection	230
<i>Alain Trémeau, Basura Fernando, Sezer Karaoglu, and Damien Muselet</i>	
Color Target Localization under Varying Illumination Conditions	245
<i>Simone Bianco and Claudio Cusano</i>	
Author Index	257