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Titolo	Computational color imaging : second international workshop, CCIW 2009, Saint-Etienne, France, March 26-27, 2009 : revised selected papers // Alain Tremeau, Raimondo Schettini, Shoji Tominaga (editors)
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Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (244 p.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 5646
Disciplina	621.367
Soggetti	Image processing - Digital techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talk -- Color Information Processing in Higher Brain Areas -- Computational Color Vision Models -- Spatio-temporal Tone Mapping Operator Based on a Retina Model -- Colour Representation in Lateral Geniculate Nucleus and Natural Colour Distributions -- Color Constancy -- Color Constancy Algorithm Selection Using CART -- Illuminant Change Estimation via Minimization of Color Histogram Divergence -- Illumination Chromaticity Estimation Based on Dichromatic Reflection Model and Imperfect Segmentation -- Color Image/Video Indexing and Retrieval -- An Improved Image Re-indexing Technique by Self Organizing Motor Maps -- KANSEI Based Clothing Fabric Image Retrieval -- A New Spatial Hue Angle Metric for Perceptual Image Difference -- Structure Tensor of Colour Quaternion Image Representations for Invariant Feature Extraction -- Color Image Filtering and Enhancement -- Non-linear Filter Response Distributions of Natural Colour Images -- Perceptual Color Correction: A Variational Perspective -- A Computationally Efficient Technique for Image Colorization -- Texture Sensitive Denoising for Single Sensor Color Imaging Devices -- Color Reproduction (Printing, Scanning, Displays) -- Color Reproduction Using Riemann Normal Coordinates --

Classification of Paper Images to Predict Substrate Parameters Prior to Print -- A Colorimetric Study of Spatial Uniformity in Projection Displays -- Color Stereo Matching Cost Applied to CFA Images -- JBIG for Printer Pipelines: A Compression Test -- Synthesis of Facial Images with Foundation Make-Up -- Multi-spectral, High-Resolution and High Dynamic Range Imaging -- Polynomial Regression Spectra Reconstruction of Arctic Charr's RGB -- An Adaptive Tone Mapping Algorithm for High Dynamic Range Images -- Material Classification for Printed Circuit Boards by Spectral Imaging System -- Supervised Local Subspace Learning for Region Segmentation and Categorization in High-Resolution Satellite Images.

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#### Sommario/riassunto

This book constitutes the thoroughly refereed proceedings of the Second Computational Color Imaging Workshop, CCIW 2009, which was held in Saint-Etienne, France, in March 2009. The 23 revised full papers, presented together with one invited paper, were carefully reviewed and selected from 40 submissions. The papers, which contain a total of 114 colored figures, are organized in topical sections on computational color vision models; color constancy; color image/video indexing and retrieval; color image filtering and enhancement; color reproduction (printing, scanning, displays); and multi-spectral, high-resolution and high dynamic range imaging.

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