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Titolo	Computational Color Imaging [[electronic resource]] : 7th International Workshop, CCIW 2019, Chiba, Japan, March 27-29, 2019, Proceedings / / edited by Shoji Tominaga, Raimondo Schettini, Alain Trémeau, Takahiko Horiuchi
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Descrizione fisica	1 online resource (XI, 349 p. 215 illus., 186 illus. in color.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11418
Disciplina	006.6
Soggetti	Optical data processing Computers Artificial intelligence Image Processing and Computer Vision Models and Principles Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Improving Generalization Ability of Deep Neural Networks for Visual Recognition Tasks -- Computational Imaging in Projection Mapping -- On the Acquisition and Reproduction of Material Appearance -- Computational Color Imaging -- An Imaging System for Fourier Coefficients of Spectral Reflectance -- Finding a Colour Filter to Make a Camera Colorimetric by Optimisation -- Conditional Color Gamut for Color Management of Multiview Printed Images -- Multispectral Imaging -- Acquisition of 3D Data and Spectral Color by Using RGBD Camera and Programmable Light Source -- HDR Spectral Video Measurement System -- Spectral Estimation of Chromatically Adapted Corresponding Colors -- Perceptual Model and Application -- Using the Monge-Kantorovitch Transform in Chromagenic Color Constancy for Pathophysiology -- Chromatic Adaptation in Colour Management -- Web Browsers Colorimetric Characterization -- Color Image Evaluation -- Evaluation of Automatic Image Color Theme

Extraction Methods -- Long-Term Face Image Analysis Based on Canonical Correlation Analysis on Physical and Psychological Evaluation of Face -- A Novel Digital-Camera Characterization Method for Pigment Identification in Cultural Heritage -- Color Image Filtering -- Learning Parametric Functions for Color Image Enhancement -- Haze Transfer Between Images Based on Dark Channel Prior -- Physically Plausible Dehazing for Non-physical Dehazing Algorithms -- Color Image Applications -- Evaluating CNN-based Semantic Food Segmentation Across Illuminants -- Color-base Damage Feature Enhanced Support Vector Classifier for Monitoring Quake Image -- Colorization of High-Frame-Rate Monochrome Videos Using Synchronized Low-Frame-Rate Color Data -- Color Imaging for Material Appearance -- Reflectance computation for a specular only V-cavity -- Makeup Skin Appearance Reproduction by Spectral Projection Mapping -- Evaluating the Material Appearance of Objects Under Different Lighting Distributions Against Natural Illumination -- Material Appearance Transfer with Visual Cortex Image.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th Computational Color Imaging Workshop, CCIW 2019, held in Chiba, Japan, in March 2019. The 22 full papers presented in this volume were carefully reviewed and selected from 34 submissions. The papers are organized in topical sections named: computational color imaging; multispectral imaging; perceptual model and application; color image evaluation; color image filtering; color image applications; and color imaging for material appearance. In addition, the book contains 3 invited talks in full paper length. .
