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Titolo	Advanced printing and packaging materials and technologies : selected, peer reviewed papers from the 2014 3rd China Academic Conference on Printing and Packaging, October 24-25, 2014, Beijing, China // edited by Ouyang Yun, Xu Min, Yang Li and Liu Xunting
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Collana	Applied mechanics and materials ; ; volume 731
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Soggetti	Package goods industry Package printing Packaging - Technological innovations Electronic books.
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	Advanced Printing and Packaging Materials and Technologies; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Color and Optical Science and Technology; Study on Theoretical Color Model under Multilevel Halftoning; Improvement of JPEG for Color Images by Incorporation of CAM02-UCS and Cubic Spline Interpolation; Physical Measurement and Spectral Reproduction of Human Skin Color; Spectral Separation Method for Multi-Ink Printers Based on Color Constancy; Evaluation of Color Rendering Index for LED and Fluorescent Light Sources Research on Multi-Color Separation Model Based on Polynomial Regression Accuracy Comparison of Application of Two Kinds of Cellular Neugebauer Models on Multicolor Separation; A Color Management Solution for Mobile Terminal Based on ICC Mechanism; A Scan-Digitizing Algorithm of the Printed Original Based on Use of Near-Neutral Scales; A LCD Color Calibration Model Based on Gamut-Division Algorithm; Research on Color Reproduction on the Internet Based on Profile Embedding; A Gamut Compression Algorithm Based on the

## Image Spatial Characteristics

Color Measurement and Analysis Based on the Konica Minolta Bizhub Pro C6501 Digital Press; Evaluation of Device Color Gamut Description Algorithms; Digital Color Appearance Evaluation System; A Spectral Improved Neugebauer Equation Model; Research on Color Reproduction Characteristics of Mobile Terminals; Ink Spectrum Data Feature Extraction Research; Research on Visual Performance under Different Lighting Environments of LED Light Sources; Optimal Experiment Designs of Color File Based on the Tetrahedron Interpolation Algorithm; A Kind of Color Calculation Method of Light Beam Hologram Papers; Presswork Study of Color Reconstruction of Color Holography; Novel Image Color Difference Metric with Chromatic Adaptation Transform; Comparative Studies of Two Metameric Black Spectral Dimension Reduction Methods Based on Color Difference Optimization; Influence of the Parameters of Light Source on Observers' Visual Performance; Growth and Holographic Storage Properties of Zr:Mn:Fe:LiNbO<sub>3</sub> Crystal; Chapter 2: Image Processing Technology; Analysis of Dot Micro-Morphology for Image Replication Quality Evaluation; An Automatic Calculation Method of MTF and the Application in Blurred Images Restoration; An Image Anti-Forgery Algorithm Based on Conceal Zone Special Halftoning; An Improved Print-Scan Resistant Watermarking Scheme; Research on the Character and Line Quality Evaluation Model Based on Human Visual System; Researches on Text Image Watermarking Scheme Based on the Structure of Character Glyph; A Novel Approach of Edge Detection Based on Gray Correlation Degree and Kirsch Operator; A Novel Digital Watermark Algorithm Based on a Fingerprint Image; A Blind Watermarking Algorithm Using DWT and DCT Techniques for Color Image

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### Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 3rd China Academic Conference on Printing and Packaging, October 24-25, 2014, Beijing, China. The 118 papers are grouped as follows: Chapter 1: Color and Optical Science and Technology; Chapter 2: Image Processing Technology; Chapter 3: Applied Information Technologies in Digital Publishing; Chapter 4: Printing Engineering Technology; Chapter 5: Packaging Engineering Technology; Chapter 6: Food Packaging and Preservation; Chapter 7: Printing and Packaging Equipment; Chapter 8: Paper and Related Material Technology; Chapter 9: Ink and R

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