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Nota di bibliografia	Includes bibliographical references (p. [261]) and index.
Nota di contenuto	Synthetic and Structured Assets: A Practical Guide to Investment and Risk; Contents; Acknowledgements; About the author; 1 Introduction to Synthetic and Structured Assets; 1.1 Development of structured and synthetic assets; 1.2 Drivers of market activity; 1.3 New product design; 1.4 Overview of the text; 2 Financial Building Blocks; 2.1 Introduction; 2.2 Concepts; 2.2.1 Risks; 2.2.2 Time value of money and interest rates; 2.3 Derivative instruments; 2.3.1 Derivatives; 2.4 Host securities/liabilities; 2.4.1 Public notes/shelf registrations; 2.4.2 Private placements; 2.4.3 Transferable loans 2.5 Issuing/repackaging vehicles2.5.1 Special purpose entities; 2.5.2 Trusts; 2.5.3 Investment companies and partnerships; 2.6 Financial engineering and product design; 3 Callable, Puttable, and Stripped Securities; 3.1 Introduction; 3.2 Development and market drivers; 3.3 Product mechanics and applications; 3.3.1 Callable bonds; 3.3.2 Puttable bonds; 3.3.3 Stripped securities; 4 Mortgage-and Asset-

backed Securities; 4.1 Introduction; 4.2 Development and market drivers; 4.3 Product mechanics and applications; 4.3.1 Mortgage-backed securities; 4.3.2 Asset-backed securities

5 Structured Notes and Loans 5.1 Introduction; 5.2 Development and market drivers; 5.3 Product mechanics and applications; 5.3.1 General structural issues; 5.3.2 Interest-rate-linked notes; 5.3.3 Currency-linked notes; 5.3.4 Commodity-linked notes and loans; 5.3.5 Equity-linked notes; 5.3.6 Credit-linked notes; 6 Collateralized Debt Obligations; 6.1 Introduction; 6.2 Development and market drivers; 6.3 Product mechanics and applications; 6.3.1 General structural issues; 6.3.2 Cash flow CDOs and market value CDOs; 6.3.3 Balance sheet and arbitrage CDOs; 6.3.4 Structured and synthetic CDOs

7 Insurance-linked Securities and Contingent Capital 7.1 Introduction; 7.2 Development and market drivers; 7.3 Product mechanics and applications; 7.3.1 Insurance-linked securities; 7.3.2 Contingent capital structures; 8 Convertible Bonds and Equity Hybrids; 8.1 Introduction; 8.2 Development and market drivers; 8.3 Product mechanics and applications; 8.3.1 Convertible bonds and variations; 8.3.2 Bonds with warrants; 8.3.3 Buy/write (covered call) securities; 8.3.4 Other equity hybrids; 9 Investment Funds; 9.1 Introduction; 9.2 Development and market drivers

9.3 Product mechanics and applications 9.3.1 Structure, diversification, and management; 9.3.2 Open-end funds; 9.3.3 Closed-end funds; 9.3.4 Hedge funds; 9.3.5 Exchange-traded funds; 10 Derivative Replication, Repackaging, and Structuring; 10.1 Introduction; 10.2 Development and market drivers; 10.3 Product mechanics and applications; 10.3.1 Synthetic long and short option and swap positions; 10.3.2 Multiple swap/option positions; 10.3.3 Asset swaps, liability swaps, and callable/puttable asset swap packages; 10.3.4 Credit derivatives and synthetic credit positions

11 Risk, Legal, and Regulatory Issues

Sommario/riassunto

Organized along product lines, the book will analyze many of the original classes of structured assets, including mortgage- and asset-backed securities and strips, as well as the newest structured and synthetic instruments, including exchange-traded funds, credit derivative-based collateralized debt obligations, total return swaps, contingent convertibles, and insurance-linked securities. Two introductory chapters will outline the scope of the market, key definitions, participant motivations/goals, economics of structuring and synthetic replication, and the central "building blocks" used i

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Titolo	Computational Color Imaging : 8th International Workshop, CCIW 2024, Milan, Italy, September 25–27, 2024, Proceedings // edited by Raimondo Schettini, Alain Trémeau, Shoji Tominaga, Simone Bianco, Marco Buzzelli
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Disciplina	006.37
Soggetti	Computer vision Computer security Artificial intelligence Signal processing Computer Vision Principles and Models of Security Artificial Intelligence Signal, Speech and Image Processing
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-- Color Theory and Spaces. -- Atomic color: from points to probability distributions. -- Extended Wien and Planck Loci. -- Uniform Color Space with Advanced Hue Linearity: PCS23-UCS. -- Color difference in context: an experiment. -- Image Enhancement and Retinex Theory. -- Exploiting Milano Retinex Contrast to Enhance Images with Strong Changes of Light Intensity. -- Intrinsic Image Decomposition based on Retinex Theory, Superpixel Segmentation and Scale-Space Computations. -- Hyperspectral and Spectral Imaging. -- VNIR and SWIR hyperspectral imaging for the study of Picasso paintings. -- Stabilization of the spectral power distribution of a tunable multichannel LED lighting system. -- Low light hyperspectral imaging using HDR methods. -- Spectral Imaging Methods for Estimating Fluorescence Emission Spectra from Plant Grains and Leaves.

-- Stitching from spectral filter array video sequences. -- Printing and Machine Learning Applications. -- Dithering with Pascal Cellular Automata. -- From Gutenberg to Llamas: print optimization through first principles and AI. -- Instance-based CycleGAN for object segmentation with few annotations. -- ChromaPose: Robustness of 2D Pose Estimation Under Different Color Illuminations. -- Perceptual Quality, Medical Imaging, and Art Applications. -- Investigation of Image Features for Perceptually Equivalent Gloss Reproduction through Comparison of Real Objects and Images. -- Classification of lung nodules on CT via pseudo-colour images and deep features from pre-trained convolutional networks. -- Painter Verification Using Color Palettes: An Exploratory Study. -- Color Constancy. -- Illuminant Equivariant Networks for Computational Color Constancy. -- Revisiting Color Constancy Using CNNs: Including Recent Observations. -- Enforcing temporal consistency for color constancy in video sequences.

Sommario/riassunto

This book constitutes the refereed proceedings of the 8th International Workshop on Computational Color Imaging, CCIW 2024, held in Milan, Italy, in September 2024. The 18 full papers presented in this volume were carefully reviewed and selected from 21 submissions. In addition, the proceedings include 2 invited papers. They are grouped into the following topics: color theory and spaces; image enhancement and retinex theory; hyperspectral and spectral imaging; printing and machine learning applications; perceptual quality, medical imaging, and art applications; color constancy.
