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	Disciplina	004
	Soggetti	Multimedia information systems
		Optical data processing
		Artificial intelligence
		Multimedia Information Systems
		Computer Imaging, Vision, Pattern Recognition and Graphics
		Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Text Extraction from Mail Images with Complex Background -- A Quantitative Analysis System of Pulmonary Nodules CT Image for Lung Cancer Risk Classification -- A Fast Fabric Image Matching and Retrieval Algorithm Based on Locality-Sensitive Hashing and Visual Word -- Research on Surface Color Difference of Solar Cells Based on Support Vector Machine -- Video Background Modeling Algorithm of Low Complexity Based on the Minimum Second Derivative -- Human Pose Estimation via Deep Part Detection -- Polarization based Invisible Barcode Display -- Security thread detection in passport using improved template matching -- Joint Denoising and Enhancement for Low-Light Images via Retinex Model -- Terahertz Security Image Quality Assessment by No-reference Model Observers -- Spatial-Temporal Recurrent Residual Networks for Video Super-Resolution -- Depth Image Denoising via Collaborative Graph Fourier Transform -- How to Efficiently Identify Real and Pseudo 4K Video Contents -- Design of Embedded Intelligent Video Processing Device Based on

TMS320DM368 -- Reverberation Level Recognition by Formants Based on 10-Fold Cross Validation of GMM -- Pedestrian Detection Using ACF Based Fast R-CNN -- Deep Face recognition using adaptively-weighted verification loss function -- Exudate Detection in Fundus Images via Convolutional Neural Network -- The Statistic Modeling of Eye Movement Viewing S3D Images -- Weld Defect Images Classification with VGG16-based Neural Network -- Hardware Implementation and Optimization of Tiny-YOLO Network -- Offline Handwritten Chinese Character Recognition based on New Training Methodology -- Video Saliency Detection by 3D Convolutional Neural Networks -- Bit-depth Enhancement via Convolutional Neural Network -- Subjective Evaluation of Light Field Images for Quality Assessment Database -- Selection of Good Display Mode for Terahertz Security Image via Image Quality Assessment -- Fast Noisy Image Quality Assessment Based on Free-energy Principle -- No-Reference Quality Index for View Synthesis Based on Multi-Scale Texture Naturalness -- Compression-Based Quality Predictor of 3D-Synthesized Views -- Research on Sparse Problem of Personalized Recommendation System -- Cold-start Group Profiling with a Clustering-Coupled Topic Model -- Predicting Relative Popularity via an End-to-End Multi-modality Model -- Low Latency MPEG-DASH System over HTTP 2.0 and WebSocket -- Performance Enhancement of NAND Flash Using Unequal Error Protection -- A Perceptual Optimized Approach to Adaptive HTTP Streaming -- Dynamic Multi-Tree Switching for Multimedia Multicast in An OpenFlow-based Fat-Tree Network -- Current Situationand Research on Consumer-Grade Video Surveillance Standards at Home and Abroad -- Bidirectional Markov Chain Monte Carlo Particle Filter for Articulated Human Motion Tracking -- An Adaptive Multi-scale Tracking Method Based on Kernelized Correlation Filter -- Rhombic Mapping Scheme for Panoramic Video Encoding -- Research of the Ear Reconstruction Based on the Poisson Image Blending -- An Efficient 3-D Mapping algorithm for RGB-D SLAM -- Indoor Localization System for Individuals with Visual Impairment -- Construction of an indoor topological map of a robot based on Prunable Self-Organizing Map -- Nest Detection Using Coarse-to-Fine Searching Strategy -- A deep learning based perceptual bit allocation scheme on conversational videos for HEVC -domain rate control.

Sommario/riassunto	This book presents revised selected papers from the 14th International Forum on Digital TV and Wireless Multimedia Communication, IFTC 2017, held in Shanghai, China, in November 2017. The 46 papers presented in this volume were carefully reviewed and selected from 122 submissions. They were organized in topical sections named: image processing; machine learning; quality assessment; social media; telecommunications; video surveillance; virtual reality; computer vision; and image compression.