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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 10590
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Soggetti	Pattern recognition Optical data processing Computer graphics Application software Artificial intelligence Pattern Recognition Image Processing and Computer Vision Computer Graphics Information Systems Applications (incl. Internet) Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A New Objective Supervised Edge Detection Assessment using Hysteresis Thresholds -- Learning Motion from Temporal Coincidences -- The Fusion of Optical and Orientation Information in a Markovian Framework for 3D Object Retrieval -- Modelling of the Poggendorff Illusion via Sub-Riemannian Geodesics in the Roto-Translation Group -- High-Pass Learning Machine: An Edge Detection Approach -- Adaptive Motion Pooling and Diffusion for Optical Flow Computation -- Ventral Stream-Inspired Process for Deriving 3D Models from Video Sequences -- Indirect Match Highlights Detection with Deep

Convolutional Neural Networks -- Signal Processing and Machine Learning for Diplegia Classification -- Analyzing First-Person Stories Based on Socializing, Eating and Sedentary Patterns -- Serious Games Application for Memory Training Using Egocentric Images -- Implicit vs Explicit Human Feedback for Interactive Video Object Segmentation -- Don't turn off the lights: Modelling of human light interaction in indoor environments -- An affective BCI driven by self-induced emotions for people with severe neurological disorders -- Face Tracking and Respiratory Signal Analysis for the Detection of Sleep Apnea in Thermal Infrared Videos with Head Movement -- MOOGA Parameter Optimization for Onset Detection in EMG Signals -- A note on modelling a somatic motor space for affective facial expressions -- Taking the hidden route: deep mapping of affect via 3D neural networks -- Neonatal Facial Pain Assessment Combining -- Hand-crafted and Deep Features -- People Detection and Tracking from an RGB-D Camera in Top-View Configuration: Review of Challenges and Applications -- A Benchmarking Framework for Background Subtraction in RGBD videos -- Moving Object Detection on RGB-D Videos Using Graph Regularized Spatiotemporal RPCA -- CwisarDH+: Background Detection in RGBD Videos by Learning of Weightless Neural Networks -- Exploiting Color and Depth for Background Subtraction -- Simple Combination of Appearance and Depth for Foreground Segmentation -- Going to a virtual supermarket: comparison of different techniques for interacting in a serious game for the assessment of the cognitive status -- Interaction in an immersive collaborative virtual reality environment: a comparison between Leap Motion and HTC controllers -- Ecological Validity of Virtual Reality : Three Use Cases -- Biometric Traits in Multi-Secret Digital Steganography -- Efficacy of Typing Pattern Analysis in Identifying Soft Biometric Information and Its Impact in User Recognition -- Leveraging Continuous Multi-Modal Authentication for Access Control in Mobile Cloud Environments -- Distributed Anti-Plagiarism Checker for Biomedical Images Based on Sensor Noise -- Exploring the feasibility to authenticate users of web and cloud services using a brain-computer interface (BCI) -- A Smart Peephole on the Cloud -- WhoAreYou (WAY): a mobile CUDA powered picture ID Card recognition system -- Personalized Dietary Self-Management using Mobile Vision-based Assistance -- Food Ingredients Recognition through Multi-label Learning -- Building parsimonious SVM models for chewing detection and adapting them to the user -- Food Intake Detection from Inertial Sensors using LSTM Networks -- Understanding Food Images to Recommend Utensils During Meals -- Learning CNN-based Features for Retrieval of Food Images -- On Comparing Color Spaces for Food Segmentation -- Pocket Dietitian: Automated Healthy Dish Recommendations by Location -- Comparison of Two Approaches for Direct Food Calorie Estimation -- Distinguishing Nigerian Food Items and Calorie Content with Hyperspectral Imaging -- A Multimedia Database for Automatic Meal Assessment Systems.

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## Sommario/riassunto

This book constitutes the refereed proceedings of seven workshops held at the 19th International Conference on Image Analysis and Processing, ICIAP 2017, in Catania, Italy, in September 2017: First International Workshop on Brain-Inspired Computer Vision – WBICV 2017; Social Signal Processing and Beyond - SSPandBE 2017; Automatic affect analysis and synthesis - 3AS 2017; Background learning for detection and tracking from RGBD Videos - RGBD 2017; Natural human-computer Interaction and ecological perception in immersive Virtual and Augmented Reality - NIVAR 2017; 1st International Workshop on Biometrics as-a-service: cloud-based technology, systems and applications - IWBAAS 2017; 3rd International Workshop

