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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11857
Disciplina	006.6 006.37 006.4
Soggetti	Optical data processing Artificial intelligence Computers Image Processing and Computer Vision Artificial Intelligence Information Systems and Communication Service
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Channel Feature Enhanced Detector for Small Ball Detection -- High-order Graph Convolutional Network for Skeleton-based Human Action Recognition -- Multi-scale Spatial-temporal Attention for Action Recognition -- Reading Digital Numbers of Water Meter with Deep Learning Based Object Detector -- Exploiting Category-level Semantic Relationships for Fine-grained Image Recognition -- On the Multi-scale Real-time Object Detection Using ResNet -- Learning Attention Regularization Correlation Filter for Visual Tracking -- Target Tracking Via Two-branch Spatio-temporal Regularized Correlation Filter Network -- A Real-time Rock-Paper-Scissor Hand Gesture Recognition System Based on FlowNet and Event Camera -- Cross-category Cross-semantic Regularization for Fine-grained Image Recognition -- The Multi-task

Fully Convolutional Siamese Network with Correlation Filter Layer for Real-time Visual Tracking -- Table Detection Using Boundary Refining via Corner Locating -- Dictionary Learning and Confidence Map Estimation-based Tracker for Robot-assisted Therapy System -- Power Line Corridor Lidar Point Cloud Segmentation Using Convolutional Neural Network -- Face Liveness Detection Based on Client Identity Using Siamese Network -- Learning Weighted Video Segments for Temporal Action Localization -- REAPS: Towards Better Recognition of Fine-grained Images by Region Attending and Part Sequencing -- Weakly-supervised Action Recognition and Localization via Knowledge Transfer -- Visual Tracking with Levy Flight Grasshopper Optimization Algorithm -- Exploring Context Information for Accurate and Fast Object Detection -- A Novel Method for Thermal Image Based Electrical-equipment Detection -- State Detection of Electrical Equipment Based on Infrared Thermal Imaging Technology -- Attention Based Convolutional Recurrent Neural Network for Environmental Sound Classification -- Salient Object Detection via Light-weight Multi-Path Refinement Networks -- Visual Object Tracking via An Improved Lightweight Siamese Network -- A Simple and Robust Attentional Encoder-decoder Model for License Plate Recognition -- Semi-supervised Deep Neural Networks for Object Detection in Video Surveillance Systems -- YNBIRDS: A System for Fine-grained Bird Image Recognition -- Quadratic Approximation Greedy Pursuit for Cardinality-constrained Sparse Learning -- Iterative Discriminative Domain Adaptation -- Common Structured Low-rank Matrix Recovery for Cross-view Classification -- Pruning Convolutional Neural Networks via Stochastic Gradient Hard Thresholding -- Channel and Constraint Compensation for Generative Adversarial Networks -- Faster Real-time Face Alignment Method on CPU -- A Siamese Pedestrian Alignment Network for Person Re-identification -- Training Low Bitwidth Model with Weight Normalization for Convolutional Neural Networks -- Virtual Adversarial Training on Graph Convolutional Networks in Node Classification -- Brain Functional Connectivity Augmentation Method for Mental Disease Classification with Generative Adversarial Network -- Attention-based Label Consistency for Semi-supervised Deep Learning -- Semantic Reanalysis of Scene Words in Visual Question Answering -- A Dustbin Category Based Feedback Incremental Learning Strategy for Hierarchical Image Classification -- Spatial-temporal Fusion Network with Residual Learning and Attention Mechanism: A Benchmark for Video-based Group Re-ID -- Architectural Style Classification Based on DNN Model -- DAEIMP: Denoising Autoencoder-based Imputation of Sleep Heart Health Study for Identification of Cardiovascular Diseases -- Fabric Defect Detection Based on Lightweight Neural Network -- Person Re-identification with Neural Architecture Search -- Deep Convolutional Center-based Clustering -- Exponential Moving Averaged Q-network for DDPG -- Multi-scale Convolutional Neural Network Based on 3D Context Fusion for Lesion Detection -- Orientation Adaptive YOLOv3 for Object Detection in Remote Sensing Images -- Neural Ordinary Differential Equations with Evolutionary Weights -- Infrared Image Segmentation for Photovoltaic Panels Based on Res-UNet.

Sommario/riassunto

The three-volume set LNCS 11857, 11858, and 11859 constitutes the refereed proceedings of the Second Chinese Conference on Pattern Recognition and Computer Vision, PRCV 2019, held in Xi'an, China, in November 2019. The 165 revised full papers presented were carefully reviewed and selected from 412 submissions. The papers have been organized in the following topical sections: Part I: Object Detection, Tracking and Recognition, Part II: Image/Video Processing and Analysis,

