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   Nota di contenuto   Object Detection and Recognition -- L2-CVAEGAN: Feature Aligned Generative Networks for Zero-Shot Learning -- HQ-Trans: A High-Quality Screening Based Image Translation Framework for Unsupervised Cross-Domain Pedestrian Detection -- FER-YOLO: Detection and Classification based on Facial Expressions -- MSC-Fuse:An Unsupervised Multi-Scale Convolutional Fusion Framework for Infrared and Visible Image -- Relation-Aware Reasoning with Graph Convolutional Network -- Feature Separation GAN for Cross View Gait Recognition -- Global Feature Polishing Network for Glass-like Object Detection -- Imitating What You Need: An Adaptive Framework for Detector Distillation -- Fine-grained Classification of Neutrophils with

Hybrid Loss -- Open-Set Product Authentication based on Deep Texture Verification -- Moving Object Detection based on Self-adaptive Contour Extraction -- Small infrared Aerial target detection using spatial and temporal cues -- Boundary Information Aggregation and Adaptive Keypoint Combination Enhanced Object Detection -- Accurate Oriented Instance Segmentation In Aerial Images -- Six-channel Image Representation for Cross-domain Object Detection -- Skeleton-Aware Network for Aircraft Landmark Detection -- Efficient Spectral Pyramid and Spectral-Spatial Feature Interactive Hyperspectral Image Classification -- Semi-supervised Cloud Edge Collaborative Power Transmission Line Insulator Anomaly Detection Framework -- Illumination-Enhanced Crowd Counting Based on IC-Net in Low Lighting Conditions -- An Open-source Library of 2D-GMM-HMM Based on Kaldi Toolkit and Its Application to Handwritten Chinese Character Recognition -- Automatic Leaf Diseases Detection System Based on Multi-Stage Recognition -- Aerial image object detection based on superpixel-related patch -- AROA: Attention Refinement One-Stage Anchor-Free Detector for Objects in Remote Sensing Imagery -- Human-Object Interaction Detection Based on Multi-Scale Attention Fusion -- Progressive Fusion Network for Safety Protection Detection -- A densely connected neural network based on SSD for multiscale SAR ship detection -- Multi-level Features Selection Network based on Multi-Attention for Salient Object Detection -- Learning Disentangled Representation for Fine-grained Visual Categorization -- Timeception Single Shot Action Detector: A Single-stage Method for Temporal Action Detection -- LLNet: A lightweight lane line detection network -- Two-stage Polishing Network for camouflaged Object Detection -- Towards More Powerful Multi-column Convolutional Network for Crowd Counting -- Hole Detection with Texture-Suppression on Wooden Plate Surfaces -- Multi-scale Attention-based Feature Pyramid Networks For Object Detection -- A Similarity Constraint Divergent Activation Method for Weakly Supervised Object Detection in Remote Sensing Images -- GSCAM: Global Spatial Coordinate Attention Module for Fine-grained Image Recognition -- Drill Pipe Counting Method Based on Local Dense Optical Flow Estimation -- Color texture image segmentation using histogram-based CV model driven by local contrast pattern -- A Weakly Supervised Defect Detection Based on Dual Path Networks and GMA-CAM -- Multi-scale Spatial Transform Network for Atmospheric Polarization Prediction -- Dynamic Hypergraph Regularized Broad Learning System for Image Classification -- Weighted Conditional Distribution Adaptation For Motor Imagery Classification.-Low-level and Physics-based Vision -- Color Multi-focus Image Fusion Using Quaternion Morphological Gradient and improved KNN Matting -- Monocular Visual Analysis for Electronic Line Calling of Tennis Games -- Multi-Homography Estimation and Inference Driven by Contour Alignment -- Scene Text Transfer for Cross-Language -- The Computer Measurement Method Research on Shaft's Size by the Platform of the Optoelectronic Imaging -- Binary Multi-view Image Re-ranking -- Identifying Abnormal Map in Crowd Scenes using spatio-temporal Social Force Model -- Robust Ellipse Fitting with an Auxiliary Normal -- A fast implementation of image rotation with Bresenham's line-scanning algorithm -- Compression, Transmission, and Retrieval -- An Error-bounded Algorithm for Streamline Compression Based on Piecewise B-spline curves -- Achieving Lightweight Image Steganalysis with Content-adaptive in Spatial Domain -- Improving VVC Intra Coding via Probability Estimation and Fusion of Multiple Prediction Modes -- Initial-QP Prediction for Versatile Video Coding: A Multi-

domain Feature-driven Learning Approach -- An Improved Digital Image Encryption Algorithm Based on Sine Compound Chaotic System -- Towards Binarized MobileNet via Structured Sparsity -- Fast Coding Unit Partition Decision for Intra Prediction in Versatile Video Coding -- Carrier Robust Reversible Watermark Model Based on Image Block Chain Authentication -- Cross-view images matching and registration technology based on deep learning -- Model-based rate-distortion optimized video-based point cloud compression with differential evolution.-Adaptive Quantization for Predicting Transform-based Point Cloud Compression -- Anti-forensics for Double JPEG Compression based on Generative Adversarial Network -- Exponential Hashing with Different Penalty for Hamming Space Retrieval -- A controllable Image Steganography with chaos and user key.-.

Sommario/riassunto	This three-volume set LNCS 12888, 12898, and 12890 constitutes the refereed conference proceedings of the 11th International Conference on Image and Graphics, ICIG 2021, held in Haikou, China, in August 2021.* The 198 full papers presented were selected from 421 submissions and focus on advances of theory, techniques and algorithms as well as innovative technologies of image, video and graphics processing and fostering innovation, entrepreneurship, and networking. *The conference was postponed due to the COVID-19 pandemic.