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Descrizione fisica	1 online resource (849 pages)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 12889
Disciplina	006.6
Soggetti	Computer vision Artificial intelligence Pattern recognition systems Computer engineering Computer networks Application software Computer Vision Artificial Intelligence Automated Pattern Recognition Computer Engineering and Networks Computer and Information Systems Applications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Artificial Intelligence -- A Calibration Strategy for Smart Welding -- Brain connectivity: exploring from a high-level topological perspective -- Hetero-STAN: Crowd Flow Prediction by Heterogeneous Spatio-Temporal Attention Network -- UAV Track Planning Algorithm Based on Graph Attention Network and Deep Q Network -- Object 6DoF Pose Estimation of Power Grid Manipulating Robot -- Novel Augmented Reality System for Oral and Maxillofacial Surgery -- A New Dataset and Recognition for Egocentric Microgesture Designed by Ergonomists -- Machine learning architectures and formulations -- Orthogonal Dual Graph Regularized Nonnegative Matrix Factorization -- Robust

Recovery of Low Rank Matrix by Nonconvex Rank Regularization --  
Free Adversarial Training with Layerwise Heuristic Learning --  
Adversarial Attack with KD-Tree Searching on Training Set -- Mixup  
Without Hesitation -- An LDA and RBF-SVM Based Classification  
Method for Inertinite Macerals of Coal -- Weighted Non-convex  
Restoration Model for Hyperspectral Image -- Edge-Based Blur Kernel  
Estimation Using Sparse Representation and Self-Similarity -- Normal  
Distribution Function on Descriptor Extraction -- Supervised Non-  
Negative Matrix Factorization Induced by Huber Loss -- Small Sample  
Identification for Specific Emitter Based on Adversarial Embedded  
Networks -- Multi-mode tensor singular value decomposition for low-  
rank image recovery -- Hyperspectral Anomaly Detection Based on  
Tensor Truncated Nuclear Norm and Linear Total Variation  
Regularization -- Face, Gesture, and Body Pose -- Deep Human Pose  
Estimation via Self-Guided Learning -- Binary Convolutional Neural  
Networks for Facial Action Unit Detection -- Efficient Example Mining  
For Anchor-free Face Detection -- 6D Object Pose Estimation with  
Mutual Attention Fusion -- Attention-Guided Siamese Network for  
Clothes-Changing Person Re-identification -- Cross-domain Person  
Re-identification Based on the Sample Relation Guidance -- Large-  
scale target detection and classification based on improved candidate  
regions -- Joint Face Detection and Landmark Localization Based on an  
Extremely Lightweight Network -- Extremely Tiny Face Detector for  
Platforms with Limited Resources -- Multi-pose Facial Expression  
Recognition based on Unpaired Images -- Keypoint Context  
Aggregation For Human Pose Estimation -- Clothes-Independent  
Identity Feature Learning for Long-Term Person Re-identification --  
Lightweight Non-local High-resolution Networks for Human Pose  
Estimation -- Occluded Animal Shape and Pose Estimation from a  
Single Color Image -- Adaptively Fusing Complete Multi-resolution  
Features for Human Pose Estimation -- Multi-view Gait Recognition By  
Inception-Encoder And CL-GEI -- Facial Action Unit Detection Based on  
Transformer and Attention Mechanism -- Unsupervised Detailed  
Human Shape Estimation from Multi-view Color Images -- Device-  
Adaptive 2D Gaze Estimation: a Multi-Point Differential Framework --  
Dual Gated Learning for Visible-Infrared Person Re-Identification --  
Biological and Medical Image Processing.-Dual Attention Guided R2 U-  
Net Architecture for Right Ventricle Segmentation in MRI Images --  
Global Characteristic Guided Landmark Detection for Genu Valgus and  
Varus Diagnosis -- Data-Dependence Dual Path Network for Choroidal  
Neovascularization Segmentation in SD-OCT images -- A Novel Feature  
Fusion Network for Myocardial Infarction Screening Based on ECG  
Images -- Semi-supervised Attention-Guided VNet for Breast Cancer  
Detection via Multi-task Learning -- Cross-Domain Transfer Learning  
for Vessel Segmentation in Computed Tomographic Coronary  
Angiographic Images -- Frequency-based convolutional neural network  
for efficient segmentation of histopathology whole slide images -- MR  
Image Denoising by FGMM Clustering of Image Patches -- 3D-Resnet  
Fused Attention For Autism Spectrum Disorder Classification -- CEID:  
Benchmark Dataset for Designing Segmentation Algorithms of  
Instruments Used in Colorectal Endoscopy -- CD Loss: A Class-Center  
based Distribution Loss for Discriminative Feature Learning in Medical  
Image Classification -- Pruning the Seg-Edge Bilateral Constraint Fully  
Convolutional Network for Iris Segmentation -- CAB-Net: Channel  
Attention Block Network for Pathological image cell nucleus  
segmentation -- Region Context Aggregation Network for Multi-organ  
Segmentation on Abdominal CT -- A Reversible Digital Watermarking  
Algorithm based on Medical Images via Threshold Segmentation and

Contrast Enhancement -- EMISTA-based Quantitative PET Reconstruction -- Bootstrap Knowledge Distillation for Chest X-ray Image Classification with Noisy Labelling -- Multi-modal Fusion With Dense Connection For Acute Bilirubin Encephalopathy Classification -- 3-D Convolutional Neural Network Driven by Dimensionality Reduction for Hyperspectral Blood Cells Classification.-Deep Learning-Based Regional Sub-models Integration for Parkinson's Disease Diagnosis using Diffusion Tensor Imaging -- Individual-specific Connectome Fingerprint Based Classificationof Temporal Lobe Epilepsy -- Multi-atlas segmentation combining multi-task local label learning and semi-supervised label propagation -- HPCSeg-Net: Hippocampus Segmentation Network Integrating Autofocus Attention Mechanism and Feature Recombination and Recalibration Module -- Uncertainty-based Visual Guidance for Interactive Medical Volume Segmentation Editing -- Semi-supervised Yolo Network for Induced Pluripotent Stem Cells Detection -- Corona Virus Disease (COVID-19) Detection in CT Images Using Synergic Deep Learning -- Eye movement event detection based on path signature. .

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#### 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.

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