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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
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 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 Classification of 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. .

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.
