

1. Record Nr.	UNINA9910635385503321
Titolo	Artificial Intelligence : Second CAAI International Conference, CICA 2022, Beijing, China, August 27–28, 2022, Revised Selected Papers, Part III // edited by Lu Fang, Daniel Povey, Guangtao Zhai, Tao Mei, Ruiping Wang
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2022
ISBN	9783031205033 3031205030
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (639 pages)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 13606
Disciplina	006.3
Soggetti	Artificial intelligence Computer vision Computer engineering Computer networks Application software User interfaces (Computer systems) Human-computer interaction Signal processing Artificial Intelligence Computer Vision Computer Engineering and Networks Computer and Information Systems Applications User Interfaces and Human Computer Interaction Signal, Speech and Image Processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cross-Camera Deep Colorization -- Attentive Cascaded Pyramid Network for Online Video Stabilization -- Amodal Layout Completion in Complex Outdoor Scenes -- Exploring Hierarchical Prototypes for Few- Shot Segmentation -- BSAM: Bidirectional Scene-Aware Mixup for Unsupervised Domain Adaptation in Semantic Segmentation -- Triple GNN: A Pedestrian-Scene-Object Joint Model for Pedestrian Trajectory

Prediction -- Cross-Domain Trajectory Prediction With CTP-Net -- Spatial-Aware GAN for Instance-Guided Cross-Spectral Face Hallucination -- Lightweight Image Compression Based on Deep Learning -- DGMLP: Deformable Gating MLP Sharing for Multi-Task Learning -- Monocular 3D Face Reconstruction with Joint 2D and 3D Constraints -- Scene Text Recognition with Single-Point Decoding Network -- Unsupervised Domain Adaptation for Semantic Segmentation with Global and Local Consistency -- Research on Multi-Temporal Cloud Removal using D-S Evidence Theory and Cloud Segmentation Model -- SASD: A Shape-Aware Saliency Object Detection Approach for RGB-D Images -- Dual Windows Are Significant: Learning from Mediastinal Window and Focusing on Lung Window -- CDNeRF: A Multi-Modal Feature Guided Neural Radiance Fields -- MHPro: Multi-Hypothesis Probabilistic Modeling for Human Mesh Recovery -- Image Sampling for Machine Vision -- SMOF: Squeezing More Out of Filters Yields Hardware-Friendly CNN Pruning -- H-ViT: Hybrid Vision Transformer for Multi-Modal Vehicle Re-Identification -- A Coarse-to-Fine Convolutional Neural Network for Light Field Angular Super-Resolution -- VSA: Adaptive Visual and Semantic Guided Attention on Few-Shot Learning -- Evolutionary Multitasking for Coarse-to-Fine Point Cloud Registration with Chaotic Opposition Search Strategy -- Matching and Localizing: A Simple Yet Effective Framework for Human-Centric Spatio-Temporal Video Grounding -- Part-Wise Topology Graph Convolutional Network for Skeleton-Based Action Recognition -- A Lightweight Detection Method of Smartphone Assembly Parts -- Illumination-Guided Transformer-Based Network for Multispectral Pedestrian Detection -- 3D Face Cartoonizer: Generating Personalized 3D Cartoon Faces from 2D Real Photos with a Hybrid Dataset -- Low Light Video Enhancement Based on Temporal-Spatial Complementary Feature -- Compound Label Learning for Affective Image Content Analysis -- Weakly Supervised Learning of Instance Segmentation with Confidence Feedback -- Robust Face-Swap Detection Based on 3D Facial Shape Information -- Prompt Learning with Cross-Modal Feature Alignment for Visual Domain Adaptation -- Tile Defect Detection Based on the Improved S2C-YOLOv5 -- Human-Object Interaction Detection: A Survey of Deep Learning-based Methods -- Change Detection of Flood Hazard Areas in Multi-Source Heterogeneous Earth Observation Image Time Series Based on Spatiotemporal Enhancement Strategy -- Reinforcement Learning Based Plug-and-Play Method for Hyperspectral Image Reconstruction -- AGFNet: Attention Guided Fusion Network for Camouflaged Object Detection -- Spatial-Temporal Contextual Feature Fusion Network for Movie Description -- A Transformer-Based Network for Deformable Medical Image Registration -- Context Alignment Network for Video Moment Retrieval -- Underwater Object Detection Using Restructured SSD -- A Multi-Branch Cascade Transformer Network (MBCT-Net) for Hand Gesture Segmentation in Cluttered Background -- Relative Position Relationship Learning Network for Scene Graph Generation -- Person Re-Identification Based on CNN with Multi-Scale Contour Embedding -- Causal Inference With Sample Balancing for Out-Of-Distribution Detection in Visual Classification -- Low-Light Image Enhancement Under Mixed Noise Model With Tensor Representation -- Sequential Fusion of Multi-View Video Frames for 3D Scene Generation -- Multi-Model Lightweight Action Recognition with Group-Shuffle Graph Convolutional Network -- Global-View Re-Identification Tracking with Transformer -- VERTEX: Vehicle Reconstruction and TEXTure Estimation From a Single Image Using Deep Implicit Semantic Template Mapping -- TAR-Net: A Triple Attention Residual Network for Power Line Extraction from Infrared Aerial Images

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Information-Geometric Causal Inference -- Emotional Semantic Neural RadianceFields for Audio-Driven Talking Head -- Multi-View 3D Morphable Face Reconstruction via Canonical Volume Fusion -- DPIT: Dual-Pipeline Integrated Transformer for Human Pose Estimation -- Integrative Analysis of Multi-view Histopathological Image Features for the Diagnosis of Lung Cancer -- Where Are the Children with Autism Looking in Reality? -- Study on Practical Utility of Image Dehazing Algorithms Based on Deep Learning in Computer Vision Scene Understanding -- Benchmarking Deep Reinforcement Learning Based Energy Management Systems for Hybrid Electric Vehicles -- Self-Attention Based High Order Sequence Features of Dynamic Functional Connectivity Networks With rs-fMRI for Brain Disease Classification -- A New Method for Assigning Hesitation Based on An IFS Distance Metric -- Adaptive Combination of Filtered-x NLMS and Affine Projection Algorithms for Active Noise Control -- Linguistic Interval-Valued Spherical Fuzzy Sets and Related Properties -- A Genetic Algorithm for Causal Discovery Based on Structural Causal Model -- Stochastic and Dual Adversarial GAN-Boosted Zero-Shot Knowledge Graph -- LS-YOLO: Lightweight SAR Ship Targets Detection Based on Improved YOLOv5 -- Dictionary Learning-Based Reinforcement Learning With Non-Convex Sparsity Regularizer -- Deep Twin Support Vector Networks -- Region-Based Dense Adversarial Generation for Medical Image Segmentation -- Dynamic Clustering Federated Learning for Non-IID Data -- Dynamic Network Embedding by Using Sparse Deep Autoencoder -- Deep Graph Convolutional Networks Based on Contrastive Learning: Alleviating Over-Smoothing Phenomenon -- Clustering-Based Curriculum Construction for Sample-Balanced Federated Learning -- A Novel Nonlinear Dictionary Learning Algorithm Based on Nonlinear-KSVD and Nonlinear-MOD -- Tooth Defect Segmentation in 3D Mesh Scans using Deep Learning -- Crowd-Oriented Behavior Simulati.

Sommario/riassunto

This three-volume set LNCS 13604-13606 constitutes revised selected papers presented at the Second CAAI International Conference on Artificial Intelligence, held in Beijing, China, in August 2022. CICA I is a summit forum in the field of artificial intelligence and the 2022 forum was hosted by Chinese Association for Artificial Intelligence (CAAI). The 164 papers were thoroughly reviewed and selected from 521 submissions. CICA I aims to establish a global platform for international academic exchange, promote advanced research in AI and its affiliated disciplines such as machine learning, computer vision, natural language, processing, and data mining, amongst others.
