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Disciplina	006
Soggetti	Image processing - Digital techniques Computer vision Computer Imaging, Vision, Pattern Recognition and Graphics
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Livello bibliografico	Monografia
Nota di contenuto	Virtual Reality -- A Pilot Study Comparing User Interactions Between Augmented and Virtual Reality -- Synthesizing Play-Ready VR Scenes with Natural Language Prompts through GPT API -- Emergent Individual Factors for AR Education and Training -- Segmentation -- ISLE: A Framework for Image Level Semantic Segmentation Ensemble -- Particulate Mapping Centerline Extraction (PMCE), a Novel Centerline Extraction Algorithm Based on Patterns in the Spatial Distribution of Aggregates -- Evaluating Segmentation Approaches on Digitized Herbarium Specimens -- Semantic Scene Filtering for Event Cameras in Long-Term Outdoor Monitoring Scenarios -- SODAWideNet - Salient Object Detection with an Attention augmented Wide Encoder Decoder

network without ImageNet pre-training -- Applications -- Foil-Net: Deep Learning-Based Wave Classification for Hydrofoil Surfing -- Inpainting of Depth Images using Deep Neural Networks for Real-Time Applications -- Using 2D and 3D Face Representations to Generate Comprehensive Facial Electromyography Intensity Maps -- Real-world Image Deblurring via Unsupervised Domain Adaptation -- Object Detection and Recognition -- Reliable Matching by Combining Optimal Color and Intensity Information based on Relationships between Target and Surrounding Objects -- Regularized Meta-Training with Embedding Mixup for Improved Few-Shot Learning -- Visual Foreign Object Detection for Wireless Charging of Electric Vehicles -- Deep Representation Learning for License Plate Recognition in Low Quality Video Images -- Optimizing PnP-Algorithms for Limited Point Correspondences Using Spatial Constraints -- Deep Learning -- Unsupervised Deep-Learning Approach for Underwater Image Enhancement -- LaneNet++ : Uncertainty-aware Lane Detection for Autonomous Vehicle -- Task-driven Compression for Collision Encoding based on Depth Images -- Eigenpatches - Adversarial Patches from Principal Components -- Edge-guided Image Inpainting with Transformer -- Poster -- Bayesian Fusion inspired 3D reconstruction via LiDAR-Stereo Camera Pair -- Marimba Mallet Placement Tracker -- DINO-CXR: A Self Supervised Method Based on Vision Transformer for Chest X-Ray Classification -- Social Bias and Image Tagging: Evaluation of Progress in State-of-the-Art Models -- L-TReiD: Logic Tensor Transformer for Re-Identification -- Retinal Disease Diagnosis with a Hybrid ResNet50-LSTM Deep Learning Model -- Pothole Segmentation and Area Estimation with Deep Neural Networks and Unmanned Aerial Vehicles -- Generation method of robot assembly motion considering physicality gap between humans and robots -- A Self-Supervised Pose Estimation Approach for Construction Machines -- Image Quality Improvement of Surveillance Camera Images by Learning Noise Removal Method Using Noise2Noise -- Automating Kernel Size Selection in MRI Reconstruction via a Transparent and Interpretable Search Approach -- Segmentation and Identification of Mediterranean Plant Species -- Exploiting Generative Adversarial Networks in Joint Sensitivity Encoding for Enhanced MRI Reconstruction -- Multisensory Modeling of Tabular Data for Enhanced Perception and Immersive User Experience -- Coping with Bullying Incidents by the Narrative and Multi-modal Interaction in Virtual Reality.

Sommario/riassunto

This volume LNCS 14361 and 14362 constitutes the refereed proceedings of the, 16th International Symposium, ISVC 2023, in October 2023, held at Lake Tahoe, NV, USA. The 42 full papers and 13 poster papers were carefully reviewed and selected from 120 submissions. A total of 25 papers were also accepted for oral presentation in special tracks from 34 submissions. The following topical sections followed as: Part 1: ST: Biomedical Image Analysis Techniques for Cancer Detection, Diagnosis and Management; Visualization; Video Analysis and Event Recognition; ST: Innovations in Computer Vision & Machine Learning for Critical & Civil Infrastructures; ST: Generalization in Visual Machine Learning; Computer Graphics; Medical Image Analysis; Biometrics; Autonomous Anomaly Detection in Images; ST: Artificial Intelligence in Aerial and Orbital Imagery; ST: Data Gathering, Curation, and Generation for Computer Vision and Robotics in Precision Agriculture. Part 2: Virtual Reality; Segmentation; Applications; Object Detection and Recognition; Deep Learning; Poster.
