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Altri autori (Persone)	BalasubramanianR MuralaSubrahmanyam VipparthiSantosh Kumar GuptaDeep
Disciplina	006
Soggetti	Image processing - Digital techniques Computer vision Artificial intelligence Social sciences - Data processing Data protection Education - Data processing Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer Application in Social and Behavioral Sciences Data and Information Security Computers and Education
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Livello bibliografico	Monografia
Nota di contenuto	-- Navigating the Night: Robust Night Scene Semantic Segmentation for Autonomous Driving. -- DiverseCeph19: A Cephalometric Landmarks Annotation Dataset. -- Automatic Segregation of Chest X-Ray Posterior-Anterior (PA) and Anterior Posterior(AP)Projection Images using NLP. -- Object-Based Quadrant Triggering for Smart Energy Management System. -- Indian Sign Language Recognition in Complex

Back- grounds: A Shifted Window Attention based Approach with Swin Transformers. -- ViziAssist: Visual Assistance for Visually Impaired Drivers. -- Improved Watermarking Approach Empowered by Deep Learning for Copyright Protection of Digital Images. -- Multi-spectral Sensing to Detect Patterned/Textured Iris Contact Lens Attacks Using Deep Iris Features. -- SemUV: Deep Learning based semantic manipulation over UV texture map of Virtual human heads. -- Correlation-based tracking cum recognition pipeline for road signs. -- Believable AI: Teaching Classifiers to Know What They Don't Know. -- CUNIT-GAN: Constraining latent space for Unsupervised multi-domain Image-to-Image Translation via Generative Adversarial Network. -- YOLOv9++: An Improved YOLOv9 Detector for Plant Biometrics using Pseudo-Labels. -- A Transfer Learning Approach for Emotion Recognition Integrated with Cognitive Evaluation in Virtual Learning. -- Can Defence Mechanisms Restore Interpretability in an Adversarial Setting? . -- Autonomous Non-Intrusive Inspection for Risk Detection in Cargo Containers Using Deep Learning. -- Enhancing Accuracy in Indic Handwritten Text Recognition. -- Deep Feature Extraction and Feature Map Explainability for Landmark Localization in Cephalometric Radiographs. -- A Novel Hierarchical Pipeline for Fine-grained Punch Recognition in Uncontrolled Setting. -- Projection-based Perceptual Visual Quality Estimation of Point Clouds. -- DAA-Net: Enhanced DuckNet with reverse Axial Attention for endoscopy image segmentation. -- Enhancing Robotic Interaction and Navigation with Pick and Place Operations and Visual SLAM Techniques. -- Perceptually driven loss function modelling for training GAN to enhance underwater Images. -- Quantitative Assessment of Class Activation Maps: An Empirical Study on Musculoskeletal Disorders. -- Unstructured Outdoor Terrain Segmentation using SegNav for safe AGV Navigation. -- Obstacle Detection and Enhanced Safety for Self-driving Automobiles. -- Lightweight logarithmic group convolution network with polarized attention for hyperspectral image classification. -- Gender recognition of silkworm cocoons using X-ray images. -- Time-Frequency based Convolution Neural Network for Differential Morphing Attack Detection. -- RepVGG-GELAN: Enhanced GELAN with VGG-STYLE ConvNets for Brain Tumour Detection. -- Prompt2LVideos: Exploring Prompts for Understanding Long-Form Multimodal Videos. -- First Quantization Matrix Estimation for DJPEG Images: An Adversarial Analysis. -- 3D Feature Pooling Module and Attention Mechanism for Liver and Tumor Segmentation.

Sommario/riassunto

The Six-volume proceedings set LNCS 2473 and 2478 constitutes the refereed proceedings of the 9th International Conference on Computer Vision and Image Processing, CVIP 2024, held in Chennai, India, during December 19–21, 2024. The 178 full papers presented were carefully reviewed and selected from 647 submissions. The papers focus on various important and emerging topics in image processing, computer vision applications, deep learning, and machine learning techniques in the domain.