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Soggetti	Application software Computer networks Social sciences - Data processing Artificial intelligence Image processing - Digital techniques Computer vision Computer and Information Systems Applications Computer Communication Networks Computer Application in Social and Behavioral Sciences Artificial Intelligence Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Deep Learning. -- Effective Fine-Tuning with Eigenvector Centrality Based Pruning. -- Continual Learning for Image Captioning through Improved Image-Text Alignment. -- NeuroShield-ViT: Mechanistic Understandings of Representation Vulnerabilities and Engineering Robust Vision Transformers. -- CATCH: A Modular Cross-domain Adaptive Template with Hook. -- PPP: Performance Preserving Pruning for Deep Neural Networks. -- Computer Graphics. -- Joint Neural SDF Reconstruction and Semantic Segmentation for CAD Models. -- Scheduling the Off-Diagonal Weingarten Loss of Neural SDFs for CAD

Models. -- PPREDICTING UNCANNY PERCEPTION IN VIRTUAL HUMANS
FACES THROUGH IMAGE FEATURES. -- Extreme Views: 3DGS Filter for
Novel View Synthesis from Out-of-Distribution Camera Poses. --
Indoor Heat Estimation from a Single Visible-Light Panorama. --
Motion and Tracking. -- Long-Term Prediction of Local and Global
Human Motion with Occlusion Recovery. -- Enhanced Vehicle Speed
Detection Considering Lane Recognition Using Drone Videos in
California. -- A Video-Based Fish Counting System for Juvenile Fish
Transferred with Water Flow in Aquaculture. -- A Geometry-Driven
Approach to Detecting and Tracking Multiple Aerial Objects. --
Synthetic Data Enabled Under the Cover Human Pose Estimation using
RGB Images. -- Applications. -- Object-Based Camera Pose
Estimation from a Single Object Detection and Gravity Vector. --
Leveraging Multimodal LLMs for Building Condition Assessment from
Street-View Imagery. -- Taming Inversion Drift: A Dynamic Look-
ahead Controller for Rectified Flow Models. -- Variable Rate Image
Compression via N-Gram Context based Swin-transformer. --
Abnormality Detection in Maize Fields Using Selective Domain
Adaptation-Driven Data Augmentation. -- Object Detection and
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Down Attention in Visual Saliency. -- The Hidden Cost of Poor
Annotations: How Label Quality Affects Camouflaged Object Detection
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Assembly Tasks. -- Medical Imaging. -- ColonMeshNet: Fusing Local
and Global Context for Accurate 3D Colon Segmentation. --
Leveraging Autoencoder-Based Filters to Enhance Automated Medical
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Exposure. -- Self-Supervised Representation Learning for AI-Based
Musculoskeletal Radiograph Registry Construction. -- Features for
Measuring the Progression of Gastric Atrophy Focused on Gastric Area
Shadow Pattern in X-ray Images of Stomach. -- Virtual Reality. --
Gaze Prediction in Virtual Reality Without Eye Tracking Using Visual and
Head Motion Cues. -- Examining Visual Discomfort Associated with
Perceived Depth Changes in Optical See-Through Augmented Reality.
-- Evaluating Stepwise Increases in Degrees of Freedom from Walking
to Manipulation for Immersive Analytics. -- Shadow-Based Touch
Detection for Virtual Forearm Keyboards in AR Text Entry. -- LiFMCR:
Dataset and Benchmark for Light Field Multi-Camera Registration.

Sommario/riassunto

This two-volume set constitutes the proceedings of the 20th
International Symposium, ISVC 2025, held in Las Vegas, NV, USA,
during November 17–19, 2025. The 54 full papers and 18 poster
papers were carefully reviewed and selected from 118 submissions.
The papers cover the following topical sections: Part I: Deep Learning;
Computer Graphics; Motion and Tracking; Applications; Object
Detection and Recognition; Medical Imaging, and Virtual Reality. Part II:
Segmentation; 3D; Recognition; Video Analysis and Event Recognition;
Biometrics; Visualization, and Poster.
