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	Nota di contenuto	Evaluating Mammogram Image Classification: Impact of Model Architectures, Pretraining, and Finetuning -- Cluster Based Video Summarization with Temporal Context Awareness -- Image Recognition and Threat Detection in Bags Arriving at the Airport -- AUAAC: Area Under Accuracy Curve for Evaluating Out-of-Distribution Detection -- Local Brightness Normalization for Image Classification and Object Detection Robust to Illumination Changes -- Computational Analysis of Table Tennis Matches from Real-Time Videos Using Deep Learning -- Multiscale Kiwifruit Detection from Digital Images -- A High-Accuracy Deformable Model for Human Face Mask Detection -- MobileNet-SA: Lightweight CNN with Self Attention for Sketch Classification -- Enhancement of Human Face Mask Detection Performance by Using Ensemble Learning Models -- Efficient 3D Brain Tumor Segmentation with Axial-Coronal-Sagittal Embedding -- Spatial Variation Sequences for Remote Sensing Applications with Small Sample Size -- Exploring the Potential of High- Resolution Drone Imagery for Improved 3D Human Avatar Reconstruction -- Point Cloud Novelty Detection Based on Latent Representations of a General Feature

Extractor -- Efficient 3DConv Fusion of RGB and Optical Flow for Dynamic Hand Gesture Recognition and Localization -- An Investigation of Video Vision Transformers for Depression Severity Estimation from Facial Video Data -- Real time Automated Body Condition Scoring of Dairy Cows -- Logo-SSL: Self-Supervised Learning with Self-Attention for Efficient Logo Detection -- HAHANet: Towards Accurate Image Classifiers with Less Parameters -- Melanoma Classification Using Deep Learning -- 3D Formation Control of Multiple Cooperating Autonomous Agents Via Leader-Follower Strategy -- LAPRNet: Lightweight Airborne Particle Removal Network for LiDAR Point Clouds -- REAL-NET: A Monochromatic Depth Estimation Using REgional Attention and Local feature mapping -- Spike-EFI: Spiking Neural Network for Event-based Video Frame Interpolation -- ScrambleMix: A Privacy-Preserving Image Processing for Edge-Cloud Machine Learning -- Comparison of Simplified SE-ResNet and SE-DenseNet for Micro-Expression Classification -- Facial Deepfake Detection using Gaussian Processes -- A Novel Steganography Scheme using Logistic Map, BRISK Descriptor, and k means Clustering -- A Holistic Approach to Elderly Safety: Sensor Fusion, Fall Detection, and Privacy-Preserving Techniques -- On Deploying Mobile Deep Learning to Segment COVID-19 RT-PCR Test Tube Images -- Enhancing Safety during Surgical Procedures with Computer Vision, Artificial Intelligence, and Natural Language Processing -- Deep Learning Model with Atrous Convolutions for Improving Skin Cancer Classification -- Fusion-based Approach to Enhance Markerless Motion Capture Efficiency for on-site Analysis: Feasibility and Accuracy -- Using an optimal then enhanced YOLO Model for Multi-lingual scene text detection containing Arabic scripts.

Sommario/riassunto	This book constitutes the refereed conference proceedings of the 11th Pacific-Rim Symposium on Image and Video Technology, PSIVT 2023, held in Auckland, New Zealand, during November 22–24, 2023. The 34 full papers presented in this book were carefully reviewed and selected from 75 submissions. The main conference focuses on Image and Video Technology, a conference that gathers researchers and practitioners from around the globe to discuss the latest breakthroughs in image and video processing, analysis, and applications.