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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 11854
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Soggetti	Multimedia information systems Optical data processing Artificial intelligence Computer organization Education—Data processing Multimedia Information Systems Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer Systems Organization and Communication Networks Computers and Education
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Nota di contenuto	A Fused Pattern Recognition Model to Detect Glaucoma Using Retinal Nerve Fiber Layer Thickness Measurements -- A Robust Face Recognition System for One Sample Problem -- Analysis of Motion Patterns in Video Streams for Automatic Health Monitoring in Koi Ponds -- Attention-Guided Model for Robust Face Detection System -- BackNet: An Enhanced Backbone Network for Accurate Detection of Objects with Large Scale Variations -- Body detection in spectator crowd images using partial heads -- Deep Learning for Breast Region and Pectoral Muscle Segmentation in Digital Mammography -- Detection of Age and Defect of Grapevine Leaves Using Hyper Spectral Imaging -- Discrete Cosine Basis Oriented Homogeneous Motion

Discovery for 360-degree Video Coding -- Double-channel 3D Convolutional Neural Network for Exam Scene Classication of Invigilation Video -- Ecient Self-Embedding Data Hiding for Image Integrity Verication with Pixel-Wise Recovery Capability -- Enhanced Transfer Learning with ImageNet Trained Classication Layer -- Equine Welfare Assessment: Horse Motion Evaluation and Comparison to Manual Pain Measurements -- Exposure Correction and Local Enhancement for Backlit Image Restoration -- Grapevine Nutritional Disorder Detection Using Image Processing -- Hierarchical Colour Image Segmentation by Leveraging RGB Channels Independently -- High-Resolution Realistic Image Synthesis from Text Using Iterative Generative Adversarial Network -- Human shape reconstruction with loose clothes from partially observed data by pose specic deformation -- Improved Saliency-enhanced Multi-cue Correlation-lter-based Visual Tracking -- Measuring Apple Size Distribution From a Near Top–down Image -- Multi-Temporal Registration of Environmental Imagery using Ane Invariant Convolutional Features -- Multimodal 3D Facade Reconstruction Using 3D LiDAR and Images -- Multiview dimension reduction based on Sparsity Preserving Projections -- Non-Peaked Discriminant Analysis for Image Representation -- Prostate Cancer Classication based on Best First Search and Taguchi Feature Selection Method -- Real-Time Retinal Vessel Segmentation on High-Resolution Fundus Images Using Laplacian Pyramids -- RVNet: Deep Sensor Fusion of Monocular Camera and Radar for Real-Time Obstacle Detection in Challenging Environments -- Semantic Segmentation of Grey-scale Trac Scenes -- Shoeprint Extraction via GAN -- Turnstile jumping detection in real-time video surveillance -- Unsupervised Deep Features for Privacy Image Classication.

Sommario/riassunto

This book constitutes the conference proceedings of the 9th Pacific Rim Symposium on Image and Video Technology, PSIVT 2019, held in Sydney, NSW, Australia, in November 2019. A total of 31 papers were carefully reviewed and selected from 55 submissions. The main conference comprises 11 major subject areas that span the eld of image and video technology, namely imaging and graphics hardware and visualization, image/video coding and transmission, image/video processing and analysis, image/video retrieval and scene understanding, applications of image and video technology, biomedical image processing and analysis, biometrics and image forensics, computational photography and arts, computer and robot vision, pattern recognition, and video surveillance.