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Nota di contenuto	Anomaly Detection in ATM Vestibules using Three-stream Deep Learning Approach -- MIS-Net: A deep residual network based on memorised pooling indices for medical image segmentation -- HD-VAE-GAN: Hiding Data with Variational Autoencoder Generative Adversarial Networks -- Share-GAN: A Novel Shared Task Training in Generative Adversarial Networks for Data Hiding -- Hiding Video in Images: Harnessing Adversarial Learning on Deep 3D-Spatio-Temporal Convolutional Neural Networks -- An Explainable Transfer Learning based approach for Detecting Face Mask -- Left Ventricle Segmentation of 2D Echocardiography Using Deep Learning -- Multi Modal 2-D

Canvas based Gallery Content Retrieval -- A Segmentation Based Robust Fractional Variational Model for Motion Estimation -- FlashGAN: Generating Ambient Images from Flash Photographs -- CT Image Synthesis from MR Image using Edge-aware Generative Adversarial Network -- Modified Scaled-YOLOv4: Soccer Player and Ball Detection for Real Time Implementation -- CandidNet: A Novel Framework for Candid Moments Detection -- Cost Efficient Defect Detection in Bangle Industry Using Transfer Learning -- SINGLE IMAGE DEHAZING USING MULTI PATH NETWORKS BASED ON CHAIN OF U-NETS -- Leveraging Tri-Planar Views and Weighted Average Fusion Technique to Classify Lung Nodule Malignancy -- A Bayesian Approach to Gaussian-Impulse Noise Removal using Hessian Norm Regularization -- DeepTemplates: Object Segmentation Using Shape Templates -- Data-Centric Approach to SAR-Optical Image Translation -- Linear and Non-Linear Filter-based Counter-Forensics Against Image Splicing Detection -- Ischemic Stroke Lesion Segmentation in CT Perfusion Images Using U-Net with Group Convolutions -- Multi-Generator MD-GAN with Reset Discriminator : A Framework to handle Non-IID Data -- Video Colorization using Modified Autoencoder Generative Adversarial Networks -- Real-time ViolenceDetection using Deep Neural Networks and DTW -- Skin Disease Detection using Saliency Maps and Segmentation Techniques -- An alternate approach for single image haze removal using path prediction -- Detecting Tropical Cyclones in INSAT-3D Satellite Images using CNN-based model -- Two Stream RGB-LBP based Transfer Learning Model for Face Anti Spoofing -- Logarithmic Progressive-SMOTE: Oversampling Minorities in Retinal Fundus Multi-Disease Image Dataset -- Sequence Recognition in Bharatnatyam Dance -- Multi-modality fusion for Siamese Network based RGB-T Tracking (mfSiamTrack) -- Automated detection of changes in built-up areas for map updating: a case study in Northern Italy -- Adaptive Learning for Leather Image Pre-processing using GAN -- Automated Sulcus Depth Measurement on Axial Knee MR Images -- LiSHT: Non-Parametric Linearly Scaled Hyperbolic Tangent Activation Function for Neural Networks -- Plant Disease Classification Using Hybrid Features -- Analyzing Hydro-Estimator INSAT-3D Time Series with Outlier Detection -- Scalable Architecture for Mining Big Earth Observation Data: SAMBEO -- An Efficient Deep Transfer Learning Approach for Classification of Skin Cancer Images -- Computer Vision based Mechanism for detecting Fire and its Classes -- A Random Forest-based No-Reference Quality Metric for UGC Videos -- Endmember Extraction with Unknown Number of Sources for Hyperspectral Unmixing -- Advancement in Spectrum Sensing Algorithms in Cognitive Radio Architecture -- Fast detection and rule based classification of Bharatanatyam hasta mudra -- MFNet: A Facial Recognition Pipeline for Masked Faces Using FaceNet -- Deep Learning based Novel Cascaded Approach for Skin Lesion Analysis -- Attending Local and Global Features for Image Caption Generation -- A Study on an Ensemble Model for Automatic Classification of Melanoma from Dermoscopy Images -- Challenges in DataExtraction From Graphical Labels in the Commercial Products -- A Novel Deep Learning Method for Thermal to Annotated Thermal-Optical Fused Images -- A Compact-Structured Convolutional Neural Network for Single Image Denoising and Super-Resolution -- A case study of rice paddy field detection using Sentinel-1 time series in northern Italy -- The UNICT-TEAM vision modules for the Mohamed Bin Zayed International Robotics Challenge 2020 -- ResUNet: An Automated Deep Learning Model for Image Splicing Localization.

proceedings of the 7th International Conference on Computer Vision and Image Processing, CVIP 2022, held in Nagpur, India, November 4–6, 2022. The 110 full papers and 11 short papers were carefully reviewed and selected from 307 submissions. Out of 121 papers, 109 papers are included in this book. The topical scope of the two-volume set focuses on Medical Image Analysis, Image/ Video Processing for Autonomous Vehicles, Activity Detection/ Recognition, Human Computer Interaction, Segmentation and Shape Representation, Motion and Tracking, Image/ Video Scene Understanding, Image/Video Retrieval, Remote Sensing, Hyperspectral Image Processing, Face, Iris, Emotion, Sign Language and Gesture Recognition, etc.
