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Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 1376
Disciplina	006.37
Soggetti	Image processing - Digital techniques Computer vision Artificial intelligence Application software Data protection Education - Data processing Computer Imaging, Vision, Pattern Recognition and Graphics Artificial Intelligence Computer and Information Systems Applications Data and Information Security Computers and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	An Approach for Fraction of Vegetation Cover Estimation in Forest Above-Ground Biomass Assessment Using Sentinel-2 Images -- Dynamic Multimodal Biometric System -- Copy-Move Image Forgery Detection using Spatio-structured SIFT Algorithm -- F-UNet: A Modified U-Net Architecture For Segmentation Of Stroke Lesion -- Radial Cumulative Frequency Distribution: A New Imaging Signature to Detect Chromosomal Arms 1p/19q Co-deletion Status in Glioma -- CT Scan Transformation from a Sharp to a Soft Reconstruction Kernel using Filtering Techniques -- Development of an Automated Monitoring and Warning System for Landslide Prone Sites -- Deep neural network for

Pneumonia detection using Chest X-rays -- Handwriting Recognition on Filled-in Forms Using CNN -- A Two Side Histogram Shifting Based Reversible Data Hiding Technique In Encrypted Images -- Security of Digital Images Based on Stream Cipher and MDS Matrix -- Retinal Vessel Segmentation using JointRelative Entropy Thresholding on Bowler Hat Transform -- Semantic segmentation of nuclei from breast histopathological images by incorporating attention in U-Net -- Automated diagnosis of COVID-19 from CT scans based on concatenation of Mobilenetv2 and ResNet50 features -- An Ensemble Method for Efficient Classification of Skin Lesion from Dermoscopy Image -- A Two-Phase Splitting Approach for the Removal of Gaussian-Impulse Noise from Hyperspectral Images -- Enhancement of Deep Learning in Image Classification Performance Using VGG16 with Swish Activation Function for Breast Cancer Detection -- Multi-stream CNN For Face Anti-Spoofing Using Color Space Analysis -- Multi-focus fusion using image matting and geometric mean of DCT-Variance -- Deep learning based lens for mitigating hospital acquired infections -- Edge detection on medical images using intuitionistic fuzzy logic -- Border to border distance based method for detecting Juxta-pleural nodules -- Appearance-invariant Entry-Exit matching using visual soft biometric traits -- A Nonlocal Spatial Coherent Fuzzy C-means Clustering for Bias Field Correction in Brain MR Images -- Securing Biometric Data over Cloud via Shamir's Secret Sharing -- DarkGAN: Night Image Enhancement using Generative Adversarial Networks -- Cancelable Biometric Template Generation using Convolutional Autoencoder -- A Novel method for Cephalometric Landmark Regression using Convolutional Neural Networks and Local Binary Pattern -- Multi-Class Glioma Classification From MRI Images Using 3D Convolutional Neural Networks -- Accounting for Demographic Differentials in Forensic Error Rate Assessment of Latent Prints via Covariate-Specific ROC Regression -- A Semi-supervised Generative Adversarial Network for Retinal Analysis from Fundus images -- A Graph Spectral Approach for Restoring Images Corrupted by Shot-noise -- ECASR: Efficient Channel Attention based Super-Resolution -- Transfer Learning Based COVID-19 Patient Classification -- Automated Scoring of Metaphase Cell Images and Identification of Dicentric Chromosomes -- Clustering of writers and cluster dependent classifier selection for offline signature verification -- Evaluation of Auto-encoder Network with Photoacoustic Signal for Unsupervised Classification of Prostate Cancer -- An efficient approach for Skin Lesion Segmentation using Dermoscopic Images: A Deep Learning Approach -- SigVer – A Deep Learning based Writer Independent Bangla Signature Verification System -- Colorectal Cancer Segmentation using Atrous Convolution and Residual Enhanced UNet -- Deep Learning Based Detection of Rhinoceros Beetle Infestation in Coconut Trees using Drone Imagery -- Crop Classification From UAV-Based Multi-Spectral Images Using Deep Learning -- A novel Face Print Spoof Detection using color scatter measures in HSI space -- FingerPIN: An Authentication Mechanism Integrating Fingerprints and Personal Identification Numbers.

Sommario/riassunto

This three-volume set (CCIS 1376-1378) constitutes the refereed proceedings of the 5th International Conference on Computer Vision and Image Processing, CVIP 2020, held in Prayagraj, India, in December 2020. Due to the COVID-19 pandemic the conference was partially held online. The 134 papers were carefully reviewed and selected from 352 submissions. The papers present recent research on such topics as biometrics, forensics, content protection, image enhancement/super-resolution/restoration, motion and tracking,

image or video retrieval, image, image/video processing for autonomous vehicles, video scene understanding, human-computer interaction, document image analysis, face, iris, emotion, sign language and gesture recognition, 3D image/video processing, action and event detection/recognition, medical image and video analysis, vision-based human GAIT analysis, remote sensing, and more.
