MATLAB Projects

I. MATLAB based on INFORMATION/MULTIMEDIAFORENSICS

1. Blind biometric watermarking based on contourlet transform **(IEEE 2015).**
2. Improving audio watermark robustness using stretched patterns against geometric distortion **(IEEE 2015).**
3. Reversible watermark using difference expansion of quads **(IEEE2015).**
4. Robust Data Hiding in binary image for authentication and annotation **(IEEE 2015).**

II. MATLAB based on NEURALNETWORKS &REMOTESENSING

1. A new Multivariate Statistical Model of Remote sensing change detection: environmental monitoring methods and applications. **(IEEE 2015).**
2. License plate identification by perceptual shape grouping and tracking and Artificial Neural Network using Wavelet Transformed Feature Selection **(IEEE 2015).**
3. Single image fog removal using anisotropic diffusion for Driving Assistance **(IEEE2015).**
4. Image Fuzzy Clustering Based on the Region classification with markov field aspect models **(IEEE 2015).**
5. Single image haze removal using anisotropic diffusion Algorithm Using Color Attenuation Prior **(IEEE2015).**
6. Moving shadow detection and removal for traffic sequences using local color constancy computation **(IEEE 2015).**

III. MATLAB based on BIOMEDICAL IMAGING

1. Sparse Dissimilarity-constrained Coding for A population-based evaluation of glaucoma screening **(IEEE 2015).**
2. Improved Bag of Feature for Computer-based detection of bleeding and ulcer in wireless capsule endoscopy images by chromaticity moments **(IEEE 2015).**
3. An automated method for counting and characterizing Red Blood screening using diffraction phase cytometry and mathematical morphology **(IEEE 2015).**
4. A new supervised method for blood vessel segmentation in retinal images by using gray-level and moment invariants-based features for Application to Retinal Images **(IEEE 2015).**

IV. MATLAB based on DIGITAL IMAGEPROCESSING

1. Multiple/Single view human action recognition using key pose matching and viterbi path searching **(IEEE 2015).**
2. Learning for Anomaly detection in crowded scenes in Surveillance Video **(IEEE 2015).**

V. MATLAB based on BIO-METRICAUTHENTICATION

1. Ear biometric by contour matching **(IEEE 2015).**
2. Facial expression recognition system **(IEEE 2015).**
3. Detection of contact-lens-based iris biometric system **(IEEE2015).**
4. Automated human authentication: multi-biometric method **(IEEE 2015).**

IEEE 2015

VI. MATLAB based on EMBEDDED SYSTEM

1. Robust abandoned object detection in urban surveillance (**IEEE 2015**)

   [**Device Based**]

2. Real time hand gesture recognition (**IEEE2015**)

   [**Device Based**]

VII. MATLAB based on SURVEILLANCEAND SECURITYSYSTEM

1. Recognize the activities of human **(IEEE2015).**
2. Object tracking in video surveillance system **(IEEE 2015).**
3. Improved object detection method based on a genetic dynamic saliency map and background subtraction **(IEEE 2015).**
4. Computer vision based flame detecting algorithm **(IEEE 2015).**
5. OD-HMM based visual object tracking algorithm **(IEEE 2015).**
6. Find the moving and stationary obstacles at level crossing **(IEEE 2015).**

VIII. MATLAB based on IMAGE ANALYSISAPPLICATIONS

1. Indian Currency paper Identification Using Image Processing Technique **(IEEE 2015).**
2. Image smoothing by remove the text in an image scene **(IEEE 2015).**
3. Robust text detection in natural scene images (**IEEE2015).**
4. Monitoring the Electricity consumption **(IEEE 2015).**