MATLAB Projects

I. MATLAB based on INFORMATION/MULTIMEDIA FORENSICS

1. Image Compression and Quality Factor in case of JPEG Image format. *(IEEE2016)*
2. Identification of Fake Images Using Illumination Classification. *(IEEE2016)*
3. An Improved SVD-based watermarking scheme using human visual characteristics. *(IEEE2016)*

II. MATLAB based on NEURAL NETWORKS & REMOTE SENSING

1. Vehicle speed estimation from tracking license plates. *(IEEE2016)*
2. Implementation of a model for Haze and Fog Removal. *(IEEE2016)*
3. Automatic and accurate shadow detection in single Image. *(IEEE2016)*
4. The Hotelling-Lawley trace statistic for change detection in polarimetric SAR data. *(IEEE2016)*
5. Single Image Dehazing for Visibility Improvement. *(IEEE2016)*

III. MATLAB based on BIOMEDICAL IMAGING

1. Vessel transform for automatic optic disk detection in retinal images. *(IEEE2016)*
3. Image Segmentation Techniques of Brain Tumor Detection through MRI Images. *(IEEE2016)*
5. Image processing based automatic diagnosis of glaucoma using wavelet features of segmented optic disc from fundus image. (IEEE2016)

IV. MATLAB based on DIGITAL IMAGE PROCESSING
1. Comparison of local anomaly detection algorithms based on statistical hypothesis tests. (IEEE2016)

V. MATLAB based on BIO-METRIC AUTHENTICATION
1. Detection, localization and pose classification of ear in Range images. (IEEE2016)
2. Evaluating software-based fingerprint liveness detection using Convolutional Networks and Local Binary Patterns. (IEEE2016)
3. Robust extraction of blood vessels for retinal recognition. (IEEE2016)
4. Biometric personal identification system based on patterns created by finger veins. (IEEE2016)
5. Person Identification system based on the Pattern of Palm print. (IEEE2016)

VI. MATLAB based on EMBEDDED SYSTEM
1. Real-time nonparametric background modeling method for visual surveillance. (IEEE2016)
2. Feature weighting in static and dynamic time warping for gesture recognition in depth data. (IEEE2016)
VII. MATLAB based on SURVEILLANCE AND SECURITY SYSTEM

1. Video-based vehicle detection and classification with Foreground based cascade Classifier. (IEEE 2016)
3. Autonomous tracking of vehicle rear lights and detection of brakes and turn signals. (IEEE2016)
4. Predict scooter’s stopping event using Smartphone as the sensing device. (IEEE2016)
5. Motion estimation and image difference for multi-object tracking. (IEEE2016)
6. A vision-based system for early fire detection. (IEEE2016)

VIII. MATLAB based on IMAGE ANALYSIS APPLICATIONS

1. Automatic crack detection from pavement images. (IEEE2016)
5. Automatic Indian/Myanmar currency denomination recognition system based on K-NN. (IEEE2016)
7. Recognize and analyze the facial expression. (IEEE 2016)