MATLAB Projects

IEEE 2016

MATLAB Projects

I. MATLAB based on INFORMATION/MULTIMEDIA FORENSICS
   1. Lossless Compression of Photo in JPEG Coded formats. (IEEE2016)
   2. Illuminant -based Transformed Spaces for Image Forensics. (IEEE2016)
   3. Block-based DWT image watermarking scheme using human visual system characteristics. (IEEE2016)

II. MATLAB based on NEURAL NETWORKS & REMOTE SENSING
   1. License Plate Recognition using Robust Blur Kernel Estimation from Fast Moving Vehicles. (IEEE2016)
   5. Visibility Restoration in Real Scenes using Edge Collapse-Based Dehazing Algorithm. (IEEE2016)

III. MATLAB based on BIOMEDICAL IMAGING
   1. Novel Accurate and Optic Disc Segmentation in Retinal Images with Vessel Distribution and Directional Characteristics. (IEEE2016)
   2. Red Lesion Detection for Retinopathy Screening Using Dynamic Shape Features. (IEEE2016)
   4. Brain Tumour Segmentation based on Hierarchical Centroid Shape Descriptor. (IEEE2016)
   5. Automated Glaucoma Screening from Fundus Images. (IEEE2016)
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IV. MATLAB based on DIGITAL IMAGE PROCESSING

1. Statistical Detector for Anomaly Detection. (IEEE2016)

V. MATLAB based on BIO-METRIC AUTHENTICATION

1. Ear Landmark Localization & Pose Classification in Range Images. (IEEE2016)
2. Fakeness Prediction in Fingerprint using Convolutional Neural Networks. (IEEE2016)
3. A Non-Vascular Retina Authentication using Structural Features. (IEEE2016)

VI. MATLAB based on EMBEDDED SYSTEM

2. Static and Dynamic Hand Movement (Gesture) Detection in Depth Data Using Dynamic Time Warping. (IEEE2016)
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VII. MATLAB based on SURVEILLANCE AND SECURITY SYSTEM
3. Accident Avoidance using Vehicle Brake Light Detection. (IEEE2016)
5. Multi-object detection and tracking for surveillance. (IEEE2016)

VIII. MATLAB based on IMAGE ANALYSIS APPLICATIONS
1. Crack Identification in buildings Based on Image Analysis. (IEEE2016)
2. Disease Prediction in Greenhouses: Detection of white floury covering and Tomato Spotted Wilt Virus. (IEEE2016)
3. Text-Attentional Network for Original Text Identification. (IEEE2016)
4. Reading Aid for the Blind People using Cloud. (IEEE2016)