B.TECH MATLAB IMAGE PROCESSING 2013 PROJECTS

2013

1. Cross-Scale Coefficient Selection For Volumetric Medical Image Fusion

2. Reinitialization-Free Level Set Evolution Via Reaction Diffusion

3. Two-Direction Nonlocal Model For Image Denoising

4. Non locally Centralized Sparse Representation For Image Restoration

5. Regularized Robust Coding For Face Recognition

6. Image Enhancement Using Wavelet Decomposition, Quadratic Thresholding And Auto-Adaptive Lum Filter

7. Performance Evaluation And Comparison Of Modified Denoising Method And The Local Adaptive Wavelet Image Denoising Method

8. Efficient Quality Analysis Of MRI Image Using Preprocessing Techniques

9. Adaptive Schemes For Expanded Diagnosis Image Evaluation

10. A Novel Joint Data-Hiding And Compression Scheme Based On Smvq And Image Inpainting

11. Robust Document Image Binarization Technique for Degraded Document Images

12. Atmospheric Turbulence Mitigation Using Complex Wavelet-Based Fusion

13. Log-Gabor Filters for Image-Based Vehicle Verification

14. Latent Fingerprint Matching Using Descriptor-Based Hough Transform

15. Image-Difference Prediction: From Grayscale to Color

16   An Optimized Wavelength Band Selection for Heavily Pigmented Iris Recognition

17   Context-Dependent Logo Matching and Recognition

18   Noise Reduction Based on Partial-Reference, Dual-Tree Complex Wavelet Transform Shrinkage

19   Robust Hashing for Image Authentication Using Zernike Moments and Local Features

20   Recognition of Ancient Tamil Handwritten Characters in Palm Manuscripts Using Genetic Algorithm

21   A Hybrid Multi view Stereo Algorithm

22   A Novel Reduced Reference Image Quality Analysis Metric for JPEG Compression

22   Signature Verification through MATLAB Using image processing.

2012

1   Differential-spiht for image sequence coding

2   Improved reconstructions and generalized filtered back projection for optical projection tomography

3   A New Approach for Secure Data Transfer based on Wavelet Transform

4   Removal of High Density Salt & Pepper Noise in Noisy Images Using Decision Based Un Symmetric Trimmed Median Filter (DBUTM)

5   image watermarking algorithm using dct, svd and edge detection technique

6   Fast Sampling Plane Filtering, Polygon Construction and Merging from Depth Images

7   Despeckling of medical ultrasound images by wavelet filters using soft thresholding

8   A Multiplicative Iterative Algorithm for Box-Constrained Penalized Likelihood Image Restoration

9   Watermarking of Satellite and Medical Images Using Combined DWT-DCT Transforms

10   Digital Image Authentication from JPEG Headers

11   A Real-Time License Plate Localization Method Based on Vertical Edge Analysis

12   Prediction of Breast Cancer in Mammagram image using Support Vector Machine and Fuzzy C-means

13   Integer Wavelet Transform based Steganographic Method using OPA Algorithm

14   Colour Image Steganography Based on Pixel Value Differencing in Spatial Domain

15   Rhythm of Motion Extraction and Rhythm-Based Cross-Media Alignment for Dance Videos

16   A stastical approach for automatic detection of ocean disturbance features from SAR images

17   A Secret-Sharing-Based Method for Authentication of Grayscale Document Images via the Use of the PNG Image With a Data Repair Capability

18   Robust Temporal-Spatial Decomposition and Its Applications in Video Processing

19   A Rough-set Based Binarization Technique for Fingerprint Images

20   Real-time Recognition System of Traffic Light in Urban Environment

21   Retinal vessel segmentation using ensemble classifier of bagged decision trees

22   An Improved Support Vector Machine Kernel for Medical Image Retrieval System

23   Fast license plate detection based on edge density and integral edge image

24   Object recognition based on gabor wavelet features

25   Robust Reversible Watermarking via Clustering and Enhanced Pixel-Wise Masking

26   Cognition and Removal of Impulse Noise With Uncertainty

27   Preconditioning for Edge-Preserving Image Super Resolution

28   Detection of the Eye Blinks for Human's Fatigue Monitoring

29   A Block Based Segmentation of JPEG Compressed Document images

30   Nonrigid Brain MR Image Registration Using Uniform Spherical Region Descriptor

31   Improved Image Recovery From Compressed Data Contaminated With Impulsive Noise

32   Video Enhancement using Tone Adjustment

33   A Probabilistic Model of (t, n) Visual Cryptography Scheme with Dynamic Group

34   Comparative Analysis of Filtering Techniques for Ultrasound Images of Bone Fracture

35   Image reduction using means on discrete product lattice

36   Copy-Move Forgery Detection based on SVD in Digital Image

37   Tree crown delineation from digital elevation models and high resolution imagery

38   Keystroke and iris based user authentication for mobile systems

39   Wood Species Recognition Using GLCM and Correlation

40   Image compression using h.264 and deflate algorithm

41   color image enhancement techniques

42   Layered Graphical Models for Tracking Partially Occluded Objects

43   Single Image Shadow detection and removal using Paired regions

44   Computer Aided Diagnosis System for Detection of Lung Cancer in CT Scan Images

2011

1. The Portable Wireless Aerial Image Transmission System Based on DSP

2. Tracking and Counting people In visual Surveillance Systems

3. Detecting background setting for Dynamic Scene

4. Multi temporal Image change Detection Using Un decimated Discrete Wavelet Transform and Active Contours

5. Content Based image Retrieval Using Textual Features based on pyramid Structure Wavelet Transform

6. A New Robust blind DWT – SVD based digital Image Watermarking

7. Face Recognition Using Eigen faces

8. The License Plate Recognition system based on Fuzzy Theory and BP Neural Network

9. Research and Implementation of Information Hiding based on RSA and HVS

10. Automatic Road Extraction using High Resolution Satellite Images Based on Level Set and Mean Shift Methods

11. A New Adaptive Weight Algorithm for salt and Pepper Noise Removal

12. A Novel Method of Image Steganography in DWT Domain

13. A New Wavelet- Based Image Watermarking Technique

14. Image Resolution Enhancement by Using Discrete and Stationary wavelet Decomposition

15. Fuzzy Random Impulse Noise Removal from Color Image Sequences

16. Data Hiding in Motion Vectors of Compressed Video Based on their Associated Prediction Error

17. An Improved regularization approach for blind restoration of Multichannel Imaginary

TECHNOLOGY LEARNING CENTER
..Finishing School for Engineer's

18   Automatic Face Detection Using Color based segmentation and template/energy thresholding

19   Quality Assesment of deblocked Images

20   Fast Sparse Image Reconstruction Using Adaptive Nonlinear Filtering

21   Improving Digital Image Edge Detection by Fuzzy systems

22   Vehicle Licence Plate Detection and Recognition using Symbol Analysis

23   A new Video watermarking Algorithm based on 1D-DFT and Radon Transform

2010

1   Design and Optimization of the Moving Object Detecting system Based on Blackfin DSP

2   A High Capacitive and confidentiality based Image Steganography Using Private Stego Key

3   Blurred Image Recognition by Legendre moment Invariants

4   Generic Lossless Visible Watermarking- A New approach

5   Image Thumbnails that Represent Blur and Noise

6   Perceptual Image Hashing Based on Virtual Watermark Detection

7   Copy move forgery Detection based on SVD in Digital Image

2009

1   Copy move forgery Detection based on SVD in Digital Image

2   Fast Image Recovery Using Variable Splitting and Constrained Optimization

3   Reversible Data Hiding Based on Histogram Modification of Pixel Difference

4   The Application of Wavelet Transform to Multi Modality Medical Image Fusion

5   Ensemble Methods of Face Recognition Based on Bit-Plane Decomposition

6   Pattern Similarity Scheme for Medical Image Retrieval

7   A Moving Target Detection Algorithm Based on the Dynamic Background

8   Image Encryption Using Binary Key Images

9   Image Retrieval Using Both Color and Texture Features

10 An Automatic Wavelet Based Non Linear Image Enhancement Technique for Aerial Image

11 An Adaptive Steganographic Technique Based on Integer Wavelet Transform

12 Effective Fuzzy Clustering Algorithm for Abnormal MR Brain Image Segmentation

13 Adaptive Fuzzy Filtering for Artifact Reduction in compressed Images and video

14 Identification of Inpainted Images and Natural Images for Digital Forensics

15 A Hybrid Geometric Statstical Deformable Model for Automated 3D segmentation in Brain MRI