



MATLAB IMAGE PROCESSING TITLES FOR 2015-16

S.No	TITLES	DOMAIN	YEAR
1	A comparison of ultrasound intima media thickness measurements of the left and right common carotid artery	Bio-medical/Image segmentation	2015
2	Sparse Dissimilarity-Constrained Coding for Glaucoma Screening	Bio-medical/Image segmentation	2015
3	Optic Disk Localization in Retinal Images based on Cumulative Sum Fields	Bio-medical/Image segmentation	2015
4	Iterative Vessel Segmentation of Fundus Images	Bio-medical/Image segmentation	2015
5	Lossless and Reversible Data Hiding in Encrypted Images with Public Key Cryptography	Steganography	2015
6	Reversible Data Hiding in Encrypted Image with Distributed Source Encoding	Steganography	2015
7	Influence of color-to-gray conversion on the performance of document image binarization: toward a novel optimization problem	Image Restoration	2015
8	SAR-SIFT: A SIFT-Like Algorithm for SAR Images	Image Recognition	2015
9	Vehicle logo recognition by weighted multi-class support vector machine ensembles based on sharpness histogram features	Image Recognition	2015

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10	Enhanced Ridge Structure for Improving Fingerprint Image Quality Based on a Wavelet Domain	Image Enhancement	2015
11	Bi-level thresholding for binarisation of handwritten and printed documents	Image segmentation	2015
12	Segmentation with saliency map using colour and depth images	Image segmentation	2015
13	Image Forgery Detection Using Adaptive Over segmentation and Feature Point Matching	Image segmentation	2015
14	A Fast Single Image Haze Removal Algorithm Using Color Attenuation Prior	Image Enhancement	2015
15	Haze Removal for a Single Remote Sensing Image Based on Deformed Haze Imaging Model	Image Enhancement	2015
16	Median Filtered Image Quality Enhancement and Anti-Forensics via Variational Deconvolution	Image Enhancement	2015
17	Utilizing Image Scales Towards Totally Training Free Blind Image Quality Assessment	Image Enhancement	2015
18	Image Enhancement and Feature Extraction Based on Low-Resolution Satellite Data	Image Enhancement	2015
19	Improving Pixel-Based Change Detection Accuracy Using an Object-Based Approach in Multitemporal SAR Flood Images	Image segmentation	2015

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20	Improving Parameters Selection of a Seeded Region Growing Method for Multiband Image Segmentation	Image segmentation	2015
21	Criterion for designing adaptive filters based on segregation of grey levels in SAR images	Image Enhancement	2015
22	A Methodology for Visually Lossless JPEG2000 Compression of Monochrome Stereo Images	Image Compression	2015
23	Enhanced side match vector quantisation based on constructing complementary state codebook	Image Enhancement/ Compression	2015
24	Combining Left and Right Palmprint Images for More Accurate Personal Identification	Image Recognition	2015
25	Feature extraction of clothing texture patterns for classification	Image Recognition	2015
26	A Novel approach for the detection of diabetic retinopathy disease	Bio-medical/Image segmentation	2015
27	Image Quality Assessment for Fake Biometric Detection: Application to Iris, Fingerprint, and Face Recognition	Image recognition	2014
28	A Novel Joint Data-Hiding and Compression Scheme Based on SMVQ and Image Inpainting	Steganography/ Data- Hiding	2014
29	Compressing Encrypted images with Auxillary Information	Steganography/Image compression	2014
30	Robust Semi-Automatic Depth Map Generation in Unconstrained Images and Video Sequences for 2D to Stereoscopic 3D Conversion	Image Generation	2014

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31	Images as Occlusions of Textures: A Framework for Segmentation	Image Segmentation	2014
32	Measuring Calorie and Nutrition from Food Image	Image recognition	2014
33	Efficient adaptive fuzzy-based switching weighted average filter for the restoration of impulse corrupted digital images	Image Enhancement	2014
34	Reliable RGB color image watermarking using Wavelet Transform and SVD	Watermarking	2014
35	Satellite image resolution and brightness enhancement using discrete, stationary wavelet and singular value decomposition	Image Enhancement	2014
36	Imperceptible and Robust DWT-SVD-Based Digital Audio Watermarking Algorithm	Image and Audio Watermarking	2014
37	Adaptive Coding for Lossless Color Image and Video Compression	Image and Video Compression	2014
38	Saliency-Based Selection of Gradient Vector Flow Paths for Content Aware Image Resizing	Seam Carving	2014
39	Thermal Imaging as a Biometrics Approach to Facial Signature Authentication.	Image recognition	2013
40	Context-Dependent Logo Matching and Recognition.	Image recognition	2013
41	Exposing Digital Image Forgeries by Illumination Color Classification.	Image Recognition	2013

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42	A Hierarchical Approach to Change Detection in Very High Resolution SAR Images for Surveillance Applications.	Satellite/Image Segmentation	2013
43	Weighted Color and Texture Sample Selection for Image Matting	Image Segmentation/ Enhancement	2013

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IEEE 2015-2016 IMAGE PROCESSING (MATLAB) TITLES

BE, B.TECH, ME, M.TECH PROJECTS

S.no	Project Titles	Domain	Year
1.	Robust Semi-Automatic Depth Map Generation in Unconstrained Images and Video Sequences for 2D to Stereoscopic 3D Conversion	Image processing-Matlab	2015-2016
2.	Adaptive Anisotropic Diffusion Method for Polarimetric SAR Speckle Filtering	Image processing-Matlab	2015-2016
3.	Enhanced Ridge Structure for Improving Fingerprint Image Quality Based on a Wavelet Domain	Image processing-Matlab	2015-2016
4.	An Innovative Lossless Compression Method for Discrete-Color Images	Image processing-Matlab	2015-2016
5.	Learning Fingerprint Reconstruction: From Minutiae to Image	Image processing-Matlab	2015-2016
6.	Content-Based Image Retrieval Using Features Extracted From Halftoning-Based Block Truncation Coding	Image processing-Matlab	2015-2016
7.	A Methodology for Visually Lossless JPEG2000 Compression of Monochrome Stereo Images	Image processing-Matlab	2015-2016
8.	Sparse Dissimilarity-Constrained Coding for Glaucoma Screening	Image processing-Matlab	2015-2016
9.	Median Filtered Image Quality Enhancement and Anti-Forensics via Variational Deconvolution	Image processing-Matlab	2015-2016
10.	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection	Image processing-Matlab	2015-2016
11.	Detection and Rectification of Distorted Fingerprints	Image processing-Matlab	2015-2016

12.	Variable-Length Signature for Near-Duplicate Image Matching	Image processing-Matlab	2015-2016
13.	Iterative Vessel Segmentation of Fundus Images	Image processing-Matlab	2015-2016
14.	Utilizing Image Scales Towards Totally Training Free Blind Image Quality Assessment	Image processing-Matlab	2015-2016
15.	Reversible Data Hiding in Encrypted Image with DistributedSource Encoding	Image processing-Matlab	2015-2016
16.	Improving Pixel-Based Change Detection Accuracy Using an Object-Based Approach in Multitemporal SAR Flood Images	Image processing-Matlab	2015-2016
17.	Image Enhancement and Feature Extraction Based on Low-Resolution Satellite Data	Image processing-Matlab	2015-2016
18.	Haze Removal for a Single Remote Sensing Image Based on Deformed Haze Imaging Model	Image processing-Matlab	2015-2016
19.	Lossless and Reversible Data Hiding in Encrypted Images with Public Key Cryptography	Image processing-Matlab	2015-2016
20.	A Fast Single Image Haze Removal Algorithm Using Color Attenuation Prior	Image processing-Matlab	2015-2016
21.	A Novel Approach for the Detection & Classification of Diabetic Retinopathy	Image processing-Matlab	2015-2016