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MATLAB 2019-20 Latest IEEE Titles

S.NO	Project title
1	Deep Learning Underwater Image Color Correction And Contrast Enhancement Based On Hue Preservation
2	Integration Of An Adaptive Cellular Automaton And A Cellular Neural Network For The Impulsive Noise Suppression And Edge Detection In Digital Images
3	CBCT Image Feature Enhancement For Endodontic Therapy
4	Local Color Mapping Combined With Color Transfer For Underwater Image Enhancement
5	Underwater Image Enhancement With A Deep Residual Framework
6	A New Deep Learning-Based Method To Detection Of Copy-Move Forgery In Digital Images
7	Visual Enhancement Techniques For Underwater Images
8	Detection Of Digital Image Forgery Using Fast Fourier Transform And Local Features

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9	An Underwater Image Enhancement Method For Simultaneous Localization And Mapping Of Autonomous Underwater Vehicle
10	An Enhanced Mobayes Shrink Thresholding For Medical Image Denoising
11	Selection Of A Stopping Criterion For Anisotropic Diffusion Filtering In Ultrasound Images
12	Detail-Preserving Underexposed Image Enhancement Via Optimal Weighted Multi-Exposure Fusion
13	Power Optimization Using Sharing For Next Generation Cellular Network
14	Towards Faster Than Nyquist Transmission For Beyond 5G Wireless Communications
15	Performance Evaluation For 5G NR Based Uplink Millimeter-Wave MIMO Systems Under Urban Micro Cell
16	Adaptive-Bit Quantized Massive MIMO Systems With MMSE-Based Variational Approximation Message Passing
17	Performance Of 5GNR With Interference Alignment
18	Least Square Regressor Selection Based Detection For Uplink 5G

	Massive MIMO System
19	Extensive Capacity Simulations Of Massive MIMO Channels For 5G Mobile Communication System
20	System Performance Assessment In Dual-Band Device-To-Device MIMO Channels
21	A Study On Layouts Of Distributed Antenna Arrays In An Indoor Multi-User Massive MIMO System

S.NO	PROJECT NAME
1	Real-time online tracking via a convolution-based complementary model
2	Histogram Equalization-Based Techniques for Contrast Enhancement of MRI Brain Glioma Tumor Images: Comparative Study
3	Image Forensic for Digital Image Copy Move Forgery Detection
4	Simple and Secure Image Steganography using LSB and Triple XOR Operation on MSB
5	Triplet Markov Chain in Images Segmentation

6	Edge-based Object Tracking for Dynamic Projection Mapping
7	Image Contrast Enhancement in Automatic Mode by Nonlinear Stretching
8	Query Adaptive Multi-View Object Instance Search and Localization using Sketches
9	Robust Visual Tracking via Smooth Manifold Kernel Sparse Learning
10	Automatic Contrast Limited Adaptive Histogram Equalization with Dual Gamma Correction
11	Long-term superpixel tracking using unsupervised learning and multi-step integration
12	Multispectral Image Restoration via Inter- and Intra-Block Sparse Estimation Based on Physically-Induced Joint Spatiospectral Structures
13	Hyperspectral Image Denoising Using Local

	Low-Rank Matrix Recovery and Global Spatial–Spectral Total Variation
14	**Hyperspectral Image Denoising With Group Sparse and Low-Rank Tensor Decomposition**
15	**Secure and Robust Digital Image Watermarking using Coefficient Differencing and Chaotic Encryption**
16	**Adaptive Trigonometric Transformation Function With Image Contrast and Color Enhancement: Application to Unmanned Aerial System Imagery**
17	**Learning Parametric Sparse Models for Heavy Noisy Removal From Images**
18	**Bayesian Bistatic ISAR Imaging for Targets with Complex Motion under Low SNR Condition**
19	**Fast Hyperspectral Image Denoising and Inpainting Based on Low-Rank and Sparse Representations**
S.NO	**PROJECT NAME**
1	**Blind Deconvolution With Model Discrepancies**

2	Blind Facial Image Quality Enhancement Using Non-Rigid Semantic Patches
3	Face Verification via Learned Representation on Feature-Rich Video Frames
4	Image Reconstruction Using Matched Wavelet Estimated From Data Sensed Compressively Using Partial Canonical Identity Matrix
5	Universal Multimode Background Subtraction
6	Rough-Set-Based Color Channel Selection
7	Blur-invariant copy-move forgery detection technique with improved detection accuracy utilising SWT-SVD
8	Wavelet-Based Total Variation and Nonlocal Similarity Model for Image Denoising
9	colour Image Watermarking based on Wavelet and QR Decomposition
10	Optimised blind image watermarking method based on firefly algorithm in DWT-QR transform domain

11	Unsupervised Sequential Outlier Detection with Deep Architectures
12	A New Image Denoising Method Based On Region Growing Segmentation
13	Deep Learning based Frameworks for Image Super-Resolution and Noise-Resilient Super-Resolution
14	Single Infrared Image Stripe Noise Removal Using Deep Convolutional Networks
15	Spatio-Temporal Cellular Automata-Based Filtering for Image Sequence Denoising
16	Image Hawk Search Engine: Content Based Image Retrieval System
17	Performance Evaluation Of Different Inpainting Algorithms For Remotely Sensed Images
18	Features Classification Forest: A Novel Development That Is Adaptable To Robust Blind Watermarking Techniques
19	Robust Multi-Exposure Image Fusion: A Structural Patch

	Decomposition Approach
20	**Beyond A Gaussian Denoiser: Residual Learning Of Deep Cnn For Image Denoising**
21	**Lbp Edge-Mapped Descriptor Using Mgm Interest Points For Face Recognition**
22	**Robust Removal Of Fixed Pattern Noise On Multi-Focus Images**
23	**Image Denoising Via Collaborative Support-Agnostic Recovery**
24	**Fast Recognition Of Human Climbing Fences In Transformer Substations**
25	**Feature-Based Roi Generation For Stereo-Based Pedestrian Detection**