

MATLAB: IEEE Project List 2017-2018

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CODE	B.Tech MATLAB IEEE PROJECTS
NM1601	LBP-Based Segmentation of Defocus Blur
NM1602	Higher-Order Image Co-segmentation
NM1603	Salient Region Detection via High-Dimensional Color Transform and Local Spatial Support
NM1604	Blind Super Resolution of Real-Life Video Sequences
NM1605	Dense and Sparse Reconstruction Error Based Saliency Descriptor
NM1606	Automatic Design of Color Filter Arrays in The Frequency Domain
NM1607	Contrast Enhancement by Nonlinear Diffusion Filtering
NM1608	Wavelet-Based Texture-Characteristic Morphological Component Analysis For Colour Image Enhancement
NM1609	Statistical Modeling of Retinal Optical Coherent Tomography
NM1610	Automatic Brain Segmentation Method based on Supervoxels
NM1611	Image Denoising Using Quadtree-Based Nonlocal Means With Locally Adaptive Principal
NM1612	Lossless and Reversible Data Hiding in Encrypted Images with Public Key Cryptography
NM1613	A Secure Watermarking Technique Without Loss of Robustness
NM1614	Printed image watermarking using direct binary search halftoning
NM1615	Minority Costume Image Retrieval by Fusion of Color Histogram and Edge Orientation Histogram
NM1616	On the Shift Value Set of Cyclic Shifted Sequences for PAPR Reduction in OFDM Systems
NM1617	A Low-Complexity Architecture for PAPR Reduction in OFDM Systems with Near-Optimal Performance
NM1618	Design and Performance Analysis of a Multiuser OFDM Based Differential Chaos Shift Keying
NM1619	High Performance Phase Rotated Spreading Codes for MC-CDMA
NM1620	Low Complexity ICI Mitigation for MIMO-OFDM in Time-Varying Channels
NM1621	Iterative Companding Transform and Filtering for Reducing PAPR of OFDM Signal
NM1622	Iterative Receiver for Flip-OFDM in Optical Wireless Communication
NM1623	Efficient self-powered convertor with digitally controlled oscillator-based adaptive maximum power point tracking and RF kickstart for ultralow-voltage thermoelectric energy harvesting
NM1624	Speech enhancement using magnitude and phase spectrum compensation



DIGITAL SIGNAL PROCESSING

NM1516	Time Domain Channel Estimation for OQAM-OFDM Systems: Algorithms and Performance Bounds
NM1517	Turbo Processing for Speech Recognition
NM1518	Two-Way Amplify-Forward Relaying Using Frequency-Domain Oversampling on Frequency-Selective Fading Channels. 2014

DIGITAL IMAGE PROCESSING

NM1519	An Approximate Spectral Clustering Ensemble for High Spatial Resolution Remote-Sensing Images. 2015
NM1520	Microscopic Image Segmentation Based on Firefly Algorithm for Detection of Tuberculosis Bacteria
NM1521	Spectral-Spatial Classification of Hyperspectral Imagery Based on Moment Invariants
NM1522	Similarity Validation Based Nonlocal Means Image Denoising.
NM1523	Texture descriptor based on local combination adaptive ternary pattern.
NM1524	Blind Depth Quality Assessment Using Histogram Shape analysis
NM1525	A New Secure Image Transmission Technique via Secret-Fragment-Visible Mosaic Images by Nearly Reversible Colour Transformations.
NM1526	A New Secure Image Transmission Technique via Secret-Fragment-Visible Mosaic Images by Nearly Reversible Color Transformations
NM1527	Region Based Segmentation in Presence of Intensity Inhomogeneity Using Legendre Polynomials
NM1528	An automatic graph based approach for artery Vein classification in retinal image
NM1529	Large-Scale Overlays and Trends: Visually Mining, Panning and Zooming the Observable Universe
NM1530	Robust Automatic Line Scratch Detection in Films.
NM1531	Saliency Detection for Stereoscopic Images
NM1532	A Novel Low-Complexity Joint User-Relay Selection and Association for Multi-User Multi-Relay MIMO Uplink
NM1533	Analysis of Limitations of Mobility Load Balancing in a Live LTE System
NM1534	Estimation of Sparse Time Dispersive Channels in Pilot Aided OFDM Using Atomic Norm.
NM1535	Joint ML Estimation of CFO and Channel, and a Low Complexity Turbo Equalization Technique for High Mobility OFDMA Uplink
NM1536	LTE-Advanced Self-Organizing Network conflicts and Coordination Algorithms
NM1537	Performance Investigation of Pilot-Aided Log-Likelihood Ratios for LDPC Coded CO-OFDM.
NM1538	Quality-Of-Experience Assessment And Its application To Video Services In LTE Networks
NM1539	Resource Allocation for Delay-Sensitive Traffic Over LTE-Advanced Relay Networks.

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NM1540	Resource Allocation Scheme for Energy Saving in Heterogeneous Networks.
NM1541	Spectrum Monitoring Using Energy Ratio Algorithmfor OFDM-Base Cognitive Radio Networks
NM1542	Stochastic Guard-Band-Aware Channel Assignment With Bonding and Aggregation for DSA Networks
NM1543	Iterative Cancellation of Non-Linear DistortionNoise in Digital Communication Systems
NM1544	Bit Error Rate Analysis of Coded OFDM for Digital Audio Broadcasting System, Employing Parallel Concatenated Convolution Turbo Codes
NM1545	Accuracy of homology based Coverage hole detection for Wireless Sensor networks on Sphere
NM1546	Achievable Throughput Optimization in OFDM Systems in the Presence of Interference and its Application to Power Line Networks
NM1547	Achieving Delay diversity in asynchronous underwater cooperative communication System.
NM1548	An Efficient Blind Estimation of Carrier Frequency Offset in OFDM Systems.
NM1549	Confederation Based RRM with Proportional Fairness for Soft Frequency Reuse LTE Networks
NM1550	Cooperative Spectrum Sharing Between Cellular and Ad Hoc Networks
NM1551	Diversity Relaying for Parallel Use of Power-Line and Wireless Communication Networks
NM1552	Doppeler mitigation in OFDM based aeronautical communication
NM1553	Efficient exact regeneration codes for Byzantine Fault tolerance in Distributed Networked Storage
NM1554	Energy-Aware Resource Allocation Strategies for LTE Uplink with Synchronous HARQ Constraints
NM1555	Error-Rate Performance Analysis of Cooperative OFDMA System With Decode-and-Forward Relaying
NM1556	Evolutionary-Algorithm-Assisted Joint Channel Estimation and Turbo Multiuser Detection/Decoding for OFDM/SDMA
NM1557	Fair Resource Allocation for OFDMA Femtocell network with Macrocell Protection
NM1558	Fairness-Adaptive Good put-Based Resource Allocation in OFDMA Downlink with ARQ.
NM1559	Harnessing frequency domain for cooperative sensing and multi channel contention CRAHNS
NM1560	In and Out Degree Distribution of Nodes and Coverage in random Sector Graphs.
NM1561	Iterative Synchronization-Assisted Detection of OFDM Signals in Cognitive Radio Systems.
NM1562	Large Scale synthetic social mobile network with SWIM
NM1563	MAP Based Iterative Channel Estimation for OFDM Systems: Approach, Convergence,and Performance Bound
NM1564	Maximum likelihood frequency estimation and preamble identification in OFDMA based WiMAX system



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NM1565	A Multiobjective Optimization Approach for Optimal Link Adaptation of OFDM-Based Cognitive Radio Systems with Imperfect Spectrum Sensing
NM1566	Optimal Windowing and Decision Feedback Equalization for Space-Frequency Alamouti-Coded OFDM in Doubly Selective Channels
NM1567	Outage constrained power allocation in spectrum sharing systems with partial CSI.
NM1568	Phase Noise in Asynchronous SC-FDMA Systems: Performance Analysis and Data-Aided Compensation.
NM1569	Quasi orthogonal space frequency coding non coherent cooperative broadband network.
NM1570	Sequence designs for interference mitigation in multi cell network
NM1571	Shot Interference Detection and mitigation for heterogeneous Network.

WIRELESS NETWORK SECURITY

NM1572	Towards Optimal Broadcast in Wireless Networks
NM1573	Opportunistic Routing Algorithm for Relay Node Selection in Wireless Sensor Networks
NM1574	A peer to peer based large scale data processing platform.
NM1575	A Scalable Bandwidth-Efficient Hybrid Adaptive Service Discovery Protocol for Vehicular Networks with Infrastructure Support
NM1576	Lightweight and confidential data discovery and dissemination for wireless body area network.
NM1577	A Denial of Service attack to UMTS network using SIM Less Device
NM1578	Qos Aware Distributed Security architecture for 4 G Multihop wireless networks.

TELE COMMUNICATION

NM1579	A low complexity resource allocation algorithm for multicast service delivery in OFDM network.
NM1580	A low complexity robust OFDM receiver for fast fading channel
NM1581	Channel estimation and equalization for asynchronous signal frequency network
NM1582	Confederation Based RRM with Proportional Fairness for Soft Frequency Reuse LTE Networks
NM1583	Iterative Joint Detection, ICI Cancellation and Estimation of Multiple CFOs and Channels for DVB-T2 in MISO Transmission Mode
NM1584	Technical solution for local service insertion in DVB NGH single frequency network
NM1578	Qos Aware Distributed Security architecture for 4 G Multihop wireless networks.

