

IEEE / SOFTWARE PROJECTS

In various Domains

- **IEEE Projects on Image Processing**
- **IEEE Projects on Knowledge and Data Mining**
- **IEEE Projects on Networking**
- **IEEE Projects on Audio and Video Processing**
- **IEEE Projects on Pattern Analysis & Machine Intelligence**
- **IEEE Projects on Multimedia**
- **IEEE Projects on Parallel and Distributed Systems**
- **IEEE Projects on Mobile Computing**
- **IEEE Projects on Information Forensics and Security**
- **IEEE Projects on Dependable and Secure Computing**
- **IEEE Projects on Systems, Man & Cybernetics**
- **IEEE Projects on Computers IEEE Projects on Learning Technologies**

TECHNOLOGY : JAVA / DOT NET /PHP
DOMAIN : IEEE DIGITAL IMAGE PROCESSING

S.NO	PROJECT TITLE	YEAR
01	Image Segmentation Using Fuzzy Region Competition and Spatial/Frequency Information	2011
02	Illumination Recovery From Image With Cast Shadows Via Sparse Representation	2011
03	A Majorize–Minimize Strategy for Subspace Optimization Applied to Image Restoration	2011
04	Graph Laplace for Occluded Face Completion and Recognition	2011
05	Gradient Profile Prior and Its Applications in Image Super-Resolution and Enhancement	2011
06	Natural Image Segmentation Based on Tree Equipartition, Bayesian Flooding and Region Merging	2011
07	Optimizing a Tone Curve for Backward-Compatible High Dynamic Range Image and Video Compression	2011
08	Text Segmentation for MRC Document Compression	2011
09	A New Scheme for Robust Gradient Vector Estimation in Color Images	2011
10	Vibe: A Universal Background Subtraction Algorithm for Video Sequences	2011
11	Contextual Kernel and Spectral Methods for Learning the Semantics of Images	2011
12	Rate Control Scheme for Consistent Video Quality in Scalable Video Codec	2011
13	Graph Cuts for Curvature Based Image Denoising	2011
14	Stationary Probability Model for Bit plane Image Coding Through Local Average of Wavelet Coefficients	2011
15	Contactless and Pose Invariant Biometric Identification Using Hand Surface	2011
16	Two Efficient Label-Equivalence-Based Connected-Component Labeling Algorithms for 3-D Binary Images	2011
17	Boosting Color Feature Selection for Color Face Recognition	2011
18	Hybrid No-Reference Natural Image Quality Assessment of Noisy, Blurry, JPEG2000, and JPEG Images	2011
19	IMAGE Resolution Enhancement by Using Discrete and Stationary Wavelet Decomposition	2011

20	Nonlocal PDEs-Based Morphology on Weighted Graphs for Image and Data Processing	2011
21	Adaptive Multiwavelet-Based Watermarking Through JPW Masking	2011

TECHNOLOGY : JAVA / DOT NET /PHP		
DOMAIN : IEEE KNOWLEDGE AND DATA MINING		
S.NO	PROJECT TITLE	YEAR
01	Adaptive Cluster Distance Bounding for High-Dimensional Indexing	2011
02	A Dual Framework and Algorithms for Targeted Online Data Delivery	2011
03	A Fuzzy Self-Constructing Feature Clustering Algorithm for Text Classification	2011
04	A Fast Multiple Longest Common Subsequence (MLCS) Algorithm	2011
05	Efficient Relevance Feedback for Content-Based Image Retrieval by Mining User Navigation Patterns	2011
06	A Fuzzy Self-Constructing Feature Clustering Algorithm for Text Classification	2011
07	Locally Consistent Concept Factorization for Document Clustering	2011
08	A Generic Multilevel Architecture for Time Series Prediction	2011
09	Authenticated Multistep Nearest Neighbor Search	2011
10	A Link Analysis Extension of Correspondence Analysis for Mining Relational Databases	2011
11	Mining Discriminative Patterns for Classifying Trajectories on Road Networks	2011
12	A Machine Learning Approach for Identifying Disease-Treatment Relations in Short Texts	2011
13	Pareto-Based Dominant Graph: An Efficient Indexing Structure to Answer Top-K Queries	2011
14	A Personalized Ontology Model for Web Information Gathering	2011
15	Text Clustering with Seeds Affinity Propagation	2011
16	Adaptive Cluster Distance Bounding for High-Dimensional Indexing	2011
17	A Personalized Ontology Model for Web Information Gathering	2011

18	Classification and Novel Class Detection in Concept-Drifting Data Streams under Time Constraints	2011
19	Finding Correlated Biclusters from Gene Expression Data	2011
20	Cosdes A Collaborative Spam Detection System with a Novel E-Mail Abstraction Scheme	2011
21	Temporal data clustering via weighted clustering ensemble with different representations	2011

TECHNOLOGY : JAVA / DOT NET / PHP		
DOMAIN : IEEE NETWORKING		
S.NO	PROJECT TITLE	YEAR
01	On the Price of Security in Large-Scale Wireless Ad Hoc Networks	2011
02	A Novel Approach for Failure Localization in All-Optical Mesh Networks	2011
03	Parametric Methods for Anomaly Detection in Aggregate Traffic	2011
04	A Unified Approach to Optimizing Performance in Networks Serving Heterogeneous Flows	2011
05	A Simple Model for Chunk-Scheduling Strategies in P2P Streaming	2011
06	Cross Layer Jamming Detection and Mitigation in Wireless Broadcast Networks	2011
07	Jamming-Aware Traffic Allocation for Multiple-Path Routing Using Portfolio Selection	2011
08	Delay Analysis and Optimality of Scheduling Policies for Multihop Wireless Networks	2011
09	Stochastic Model and Connectivity Dynamics for VANETs in Signalized Road Systems	2011
10	Fast Simulation of Service Availability in Mesh Networks With Dynamic Path Restoration	2011
11	Cross-Layer Jamming Detection and Mitigation in Wireless Broadcast Networks	2011

TECHNOLOGY : JAVA / DOT NET / PHP		
DOMAIN : IEEE MULTIMEDIA		
S.NO	PROJECT TITLE	YEAR
01	Effective Semantic Annotation by Image-to-Concept Distribution Model	2011

02	ViBe A universal background subtraction algorithm for video sequences	2011
03	Moving Region Segmentation From Compressed Video Using Global Motion Estimation and Markov Random Fields	2011
04	Natural Image Segmentation Based on Tree Equipartition, Bayesian Flooding and Region Merging	2011
05	Cost-Sensitive Multi-Label Learning for Audio Tag Annotation and Retrieval	2011
06	Illumination Recovery From Image With Cast Shadows Via Sparse Representation	2011
07	Geometric Invariant Audio Watermarking Based on an LCM Feature	2011
08	Graph Laplace for Occluded Face Completion and Recognition	2011
09	Fast Action Detection via Discriminative Random Forest Voting and Top-K Subvolume Search	2011
10	Denoising-Enhancing Images on Elastic Manifolds	2011
11	Fast Visual Retrieval Using Accelerated Sequence Matching	2011

TECHNOLOGY : JAVA / DOT NET / PHP		
DOMAIN : IEEE MOBILE COMPUTING		
S.NO	PROJECT TITLE	YEAR
01	Fast Detection of Mobile Replica Node Attacks in Wireless Sensor Networks Using Sequential Hypothesis Testing	2011
02	A Cooperative Clustering Protocol for Energy Saving of Mobile Devices with WLAN and Bluetooth Interfaces	2011
03	Multicast Throughput for Hybrid Wireless Networks under Gaussian Channel Model	2011
04	Multicast Throughput for Hybrid Wireless Networks under Gaussian Channel Model	2011
05	QoS-Aware Routing and Admission Control in Shadow-Fading Environments for Multirate MANETs	2011
06	Processing Continuous Range Queries with Spatiotemporal Tolerance	2011
07	Secure High-Throughput Multicast Routing in Wireless Mesh Networks	2011
08	Optimal and Efficient Graph-Based Resource Allocation Algorithms for Multiservice Frame-Based OFDMA Networks	2011

09	Dynamic Conflict-Free Transmission Scheduling for Sensor Network Queries	2011
10	The HIDENETS Holistic Approach for the Analysis of Large Critical Mobile Systems	2011
11	Supporting Efficient and Scalable Multicasting over Mobile Ad Hoc Networks	2011
12	Towards Zero Retransmission Overhead: A Symbol Level Network Coding Approach to Retransmission	2011
13	Optimal Channel Access Management with QoS Support for Cognitive Vehicular Networks	2011
14	Multicast Throughput for Hybrid Wireless Networks under Gaussian Channel Model	2011
15	Expected Routing Overhead for Location Service in MANETs under Flat Geographic Routing	2011
16	Minimum Bandwidth Reservations for Periodic Streams in Wireless Real-Time Systems	2011
17	Secret Key Establishment Using Temporally and Spatially Correlated Wireless Channel Coefficients	2011
18	On the Information Flow Required for Tracking Control in Networks of Mobile Sensing Agents	2011
19	An Improved Geocast for Mobile Ad Hoc Networks	2011
20	Processing Continuous Range Queries with Spatiotemporal Tolerance	2011
21	Bidirectionally Coupled Network and Road Traffic Simulation for Improved IVC Analysis	2011
22	Channel-Aware Routing in MANETs with Route Handoff	2011
23	A Control Theoretic Approach to Distributed Optimal Configuration of 802.11 WLANs	2011

TECHNOLOGY : JAVA / DOT NET / PHP		
DOMAIN : IEEE INFORMATION AND FORENSICS SECURITY		
S.NO	PROJECT TITLE	YEAR
01	Correlation-and-Bit-Aware Spread Spectrum Embedding for Data Hiding	2011
02	High Dynamic Range Image Watermarking Robust Against Tone-Mapping Operators	2011
03	Fingerprint Matching Incorporating Ridge Features With Minutiae	2011
04	How to Generate Spoofed Irises From an Iris Code Template	2011

05	Lossy Compression and Iterative Reconstruction for Encrypted Image	2011
06	A Robust and Fast Video Copy Detection System Using Content-Based Fingerprinting	2011

TECHNOLOGY : JAVA / DOT NET / PHP		
DOMAIN : IEEE Pattern Analysis & Machine Intelligence		
S.NO	PROJECT TITLE	YEAR
01	A Hybrid Probabilistic Model for Unified Collaborative and Content-Based Image Tagging	2011
02	Replica Placement for Route Diversity in Tree-Based Routing Distributed Hash Tables	2011
03	Higher-Dimensional Affine Registration and Vision Applications	2011
04	Face Recognition Using Nearest Feature Space Embedding	2011
05	Dynamics of Malware Spread in Decentralized Peer-to-Peer Networks	2011
06	Shadow Removal Using Intensity Surfaces and Texture Anchor Points	2011
07	Unsupervised Image Categorization by Hypergraph Partition	2011
08	Contour Detection and Hierarchical Image Segmentation	2011
09	Comparative Evaluation of Spoofing Defense	2011
10	MILIS: Multiple Instance Learning with Instance Selection	2011
11	Term Weighting Schemes for Question Categorization	2011
12	Chip Self-Organization and Fault-Tolerance in Massively Defective Multicore Arrays	2011
13	Eye Movement Analysis for Activity Recognition Using Electrooculography	2011
14	Revisiting Linear Discriminant Techniques in Gender Recognition	2011
15	Anomaly Detection in Network Traffic Based on Statistical Inference and Stable Modeling	2011
16	Tiny Videos: A Large Data Set for Nonparametric Video Retrieval and Frame Classification	2011
17	A Laplacian Approach to Multi-Oriented Text Detection in Video	2011

18	A Distributed Algorithm for Finding All Best Swap Edges of a Minimum Diameter Spanning Tree	2011
19	Global Ridge Orientation Modeling for Partial Fingerprint Identification	2011
20	Connectedness of Random Walk Segmentation	2011

TECHNOLOGY : JAVA / DOT NET / MATLAB		
DOMAIN : IEEE Parallel And Distributed Systems		
S.NO	PROJECT TITLE	YEAR
01	Exploiting Dynamic Resource Allocation for Efficient Parallel Data Processing in the Cloud	2011
02	A Data Throughput Prediction and Optimization Service for Widely Distributed Many-Task Computing	2011
03	Trajectory-Based Data Forwarding for Light-Traffic Vehicular Ad Hoc Networks	2011
04	Network Immunization with Distributed Autonomy-Oriented Entities	2011
05	Site-Based Partitioning and Repartitioning Techniques for Parallel PageRank Computation	2011
06	Performance Analysis of Cloud Computing Services for Many-Tasks Scientific Computing	2011
07	Flexible Robust Group Key Agreement	2011
08	A Distributed Algorithm for the Replica Placement Problem	2011
09	Privacy in VoIP Networks: Flow Analysis Attacks and Defense	2011
10	Design and Analysis of a Reconfigurable Platform for Frequent Pattern Mining	2011
11	Chunk Distribution in Mesh-Based Large-Scale P2P Streaming Systems: A Fluid Approach	2011
12	Performance Analysis of Real-Time Detection in Fusion-Based Sensor Networks	2011
13	Maximizing the Number of Broadcast Operations in Random Geometric Ad Hoc Wireless Networks	2011
14	CACAO: Distributed Client-Assisted Channel Assignment Optimization for Uncoordinated WLANs	2011
15	Anomaly Detection in Network Traffic Based on Statistical Inference and alpha-Stable Modeling	2011
16	Energy-Efficient Localized Routing in Random Multihop Wireless Networks	2011

17	Low-Energy Symmetric Key Distribution in Wireless Sensor Networks	2011
18	Balancing Revocation and Storage Trade-Offs in Secure Group Communication	2011