

2016-2017 EMBEDDED PROJECTS LIST

S.NO	PROJECT TITLE	VERTICAL
1.	A SECURITY-ENHANCED ALIGNMENT-FREE FUZZY VAULT-BASED FINGERPRINT CRYPTOSYSTEM USING PAIR-POLAR MINUTIAE STRUCTURES	BIOMETRICS
2.	DISTANCE-BASED ENCRYPTION: HOW TO EMBED FUZZINESS IN BIOMETRIC-BASED ENCRYPTION	BIOMETRICS
3.	FINGERPRINT LIVENESS DETECTION FROM SINGLE IMAGE USING LOW-LEVEL FEATURES AND SHAPE ANALYSIS	BIOMETRICS
4.	FINGERPRINT LIVENESS DETECTION USING CONVOLUTIONAL NEURAL NETWORKS	BIOMETRICS
5.	IRIS RECOGNITION BASED ON HUMAN-INTERPRETABLE FEATURES	BIOMETRICS
6.	SUSPECTING LESS AND DOING BETTER: NEW INSIGHTS ON PALMPRINT IDENTIFICATION FOR FASTER AND MORE ACCURATE MATCHING	BIOMETRICS
7.	AGING FACE RECOGNITION: A HIERARCHICAL LEARNING MODEL BASED ON LOCAL PATTERNS SELECTION	FACE RECOGNITION
8.	COMPLEMENTARY COHORT STRATEGY FOR MULTIMODAL FACE PAIR MATCHING	FACE RECOGNITION
9.	FACIAL SKETCH SYNTHESIS USING TWO-DIMENSIONAL DIRECT COMBINED MODEL-BASED FACE-SPECIFIC MARKOV NETWORK	FACE RECOGNITION
10.	CLASS-WISE SPARSE AND COLLABORATIVE PATCH REPRESENTATION FOR FACE RECOGNITION	FACE RECOGNITION
11.	LOCAL-GRAVITY-FACE (<i>LG-FACE</i>) FOR ILLUMINATION-INVARIANT AND HETEROGENEOUS FACE RECOGNITION	FACE RECOGNITION

12.	ROBUST POINT SET MATCHING FOR PARTIAL FACE RECOGNITION	FACE RECOGNITION
13.	A PATCH-BASED APPROACH FOR THE SEGMENTATION OF PATHOLOGIES: APPLICATION TO GLIOMA LABELLING	MEDICAL IMAGE PROCESSING
14.	AN AUTOMATIC LEARNING-BASED FRAMEWORK FOR ROBUST NUCLEUS SEGMENTATION	MEDICAL IMAGE PROCESSING
15.	COMPUTER AIDED THERAGNOSIS USING QUANTITATIVE ULTRASOUND SPECTROSCOPY AND MAXIMUM MEAN DISCREPANCY IN LOCALLY ADVANCED BREAST CANCER	MEDICAL IMAGE PROCESSING
16.	ON COMBINING MULTIPLE-INSTANCE LEARNING AND ACTIVE LEARNING FOR COMPUTER-AIDED DETECTION OF TUBERCULOSIS	MEDICAL IMAGE PROCESSING
17.	REAL-TIME AUTOMATIC ARTERY SEGMENTATION, RECONSTRUCTION AND REGISTRATION FOR ULTRASOUND-GUIDED REGIONAL ANAESTHESIA OF THE FEMORAL NERVE	MEDICAL IMAGE PROCESSING
18.	RECOGNIZING FOCAL LIVER LESIONS IN CEUS WITH DYNAMICALLY TRAINED LATENT STRUCTURED MODELS	MEDICAL IMAGE PROCESSING
19.	RED LESION DETECTION USING DYNAMIC SHAPE FEATURES FOR DIABETIC RETINOPATHY SCREENING	MEDICAL IMAGE PROCESSING
20.	A PATCH-BASED APPROACH FOR THE SEGMENTATION OF PATHOLOGIES: APPLICATION TO GLIOMA LABELLING	MEDICAL IMAGE PROCESSING
21.	FAST AND PROVABLY ACCURATE BILATERAL FILTERING	IMAGE PROCESSING
22.	HUMAN VISUAL SYSTEM-BASED SALIENCY DETECTION FOR HIGH DYNAMIC RANGE CONTENT	IMAGE PROCESSING
23.	ILLUMINANT-BASED TRANSFORMED SPACES FOR IMAGE FORENSICS	IMAGE PROCESSING

24.	WEAKLY SUPERVISED FINE-GRAINED CATEGORIZATION WITH PART-BASED IMAGE REPRESENTATION	IMAGE PROCESSING
25.	LEARN SPARSE DICTIONARIES FOR EDIT PROPAGATION	IMAGE PROCESSING
26.	LEARNING OF MULTIMODAL REPRESENTATIONS WITH RANDOM WALKS ON THE CLICK GRAPH	IMAGE PROCESSING
27.	MISALIGNED IMAGE INTEGRATION WITH LOCAL LINEAR MODEL	IMAGE PROCESSING
28.	MULTISCALE EDGE DETECTION USING A FINITE ELEMENT FRAMEWORK FOR HEXAGONAL PIXEL-BASED IMAGES	IMAGE PROCESSING
29.	NONCONVEX NONSMOOTH LOW RANK MINIMIZATION VIA ITERATIVELY REWEIGHTED NUCLEAR NORM	IMAGE PROCESSING
30.	NON-LOCAL AUTO-ENCODER WITH COLLABORATIVE STABILIZATION FOR IMAGE RESTORATION	IMAGE PROCESSING
31.	ONE-CLASS WRITER-INDEPENDENT OFFLINE SIGNATURE VERIFICATION USING FEATURE DISSIMILARITY THRESHOLDING	SIGNATURE VERIFICATION
32.	PERCEPTUAL VISUAL SECURITY INDEX BASED ON EDGE AND TEXTURE SIMILARITIES	SIGNATURE VERIFICATION
33.	ROBUST IMAGE HASHING WITH RING PARTITION AND INVARIANT VECTOR DISTANCE	SIGNATURE VERIFICATION
34.	SALIENT REGION DETECTION VIA HIGH-DIMENSIONAL COLOR TRANSFORM AND LOCAL SPATIAL SUPPORT	SIGNATURE VERIFICATION
35.	IMAGE PROCESSING (ACTION RECOGNITION)	SIGNATURE VERIFICATION
36.	SIMPLE TO COMPLEX TRANSFER LEARNING FOR ACTION RECOGNITION	SIGNATURE VERIFICATION

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37.	A COMPLETELY BLIND VIDEO INTEGRITY ORACLE	VIDEO PROCESSING
38.	AN APPROACH TO STREAMING VIDEO SEGMENTATION WITH SUB-OPTIMAL LOW-RANK DECOMPOSITION	VIDEO PROCESSING
39.	PATCH-BASED VIDEO DENOISING WITH OPTICAL FLOW ESTIMATION	VIDEO PROCESSING
40.	SURVEILLANCE VIDEO SYNOPSIS VIA SCALING DOWN OBJECTS	VIDEO PROCESSING