

List of Accepted Papers for ICVGIP 2018

Paper ID	ACM Article	Title
3	1	PredGAN - A deep multi-scale video prediction framework for anomaly detection in videos
7	2	Handwritten Essay Grading on Mobiles using MDLSTM Model and Word Embeddings
11	3	Multiple Kernel Fisher Discriminant Metric Learning for Person Re-identification
12	4	Vision-based Steering Angle Prediction by the Fusion of Depth and Intensity Deep Features
17	5	Zero-shot Learning using Graph Regularized Latent Discriminative Cross-domain Triplets
22	6	LEDNet: Deep Network for Single Image Haze Removal
25	7	Perfectly Secure Shamir's Secret Sharing Scheme for Privacy Preserving Image Processing Over Cloud
26	8	Moving Average Recurrent Neural Network Model for Video-based Person Re-Identification
27	9	Activity Recognition in Egocentric Videos Using Bag of Key Action Units
31	10	Multimodal Egocentric Activity Recognition Using Multi-Stream CNN
33	11	Learning End-to-end Autonomous Driving using Guided Auxiliary Supervision
34	12	A Neural Network Based Approach for Geo-Localizing Events in Crowd Sourced Videos
35	13	A Temporal Activity Graph Kernel for Human Activity Classification
45	14	Weakly Supervised Object Localization on grocery shelves using simple FCN and Synthetic Dataset
48	15	Real-time Simulation of Human Musculature
50	16	Online Illumination Invariant Moving Object Detection by Generative Neural Network
60	17	Variable Patch Dictionaries for efficient Compressed Sensing based MRI Reconstruction

61	18	A Fast Method for Very Low Bit-Rate Coding of Hyperspectral Images
63	19	A Deep Learning-based Model for Phase Unwrapping
65	20	Scale and Rotation Corrected CNNs (SRC-CNNs) for Scale and Rotation Invariant Character Recognition
67	21	EXPERTNet: Exigent Features Preservative Network for Facial Expression Recognition
69	22	Anomaly Detection using Context Dependent Optical Flow
71	23	Spatio-Temporal Grids for Daily Living Action Recognition
75	24	SpoofNET: Resolving facial makeup based spoofs
76	25	Lie Bodies Based Deformation Transfer
79	26	DP-GAN: Dual Pathway Generative Adversarial Network for Face Recognition in degraded scenarios
80	27	An automated tassel detection and trait extraction pipeline to support high-throughput field imaging of maize
82	28	VidSeg-GAN: Generative Adversarial Network for Video Object Segmentation Tasks
83	29	Regularized Random Walk Ranking for Co-Saliency Detection in images
97	30	HSD-CNN: Hierarchically self decomposing CNN architecture using class specific filter sensitivity analysis
104	31	On-Demand Augmentation of Contour Trees
109	32	Scene Adaptive Cosmetic Makeup Transfer
111	33	Learning to Read by Spelling: Towards Unsupervised Text Recognition
117	34	BatchOut: Batch-level feature augmentation to improve robustness to adversarial example
118	35	Shared Encoder based Denoising of Optical Coherence Tomography images
121	36	Non-rigid Registration using Spectral Graph Wavelet features

122	37	Hierarchical Deep Network for Group Discovery and Multi-level Activity Recognition
129	38	A Bottom-Up and Top-Down Approach for Image Captioning using Transformer
131	39	Shot Boundary Detection in Videos Using Saliency based Statistical Model
136	40	Compressed domain zoom motion detection and classification based on application of local ternary patterns on block motion vectors
144	41	Seek and You Will Find: A New Optimized Framework for Efficient Detection of Pedestrian
145	42	Video Dehazing using LMNN with respect to Augmented MRF
151	43	Cluster Loss for Person Re-Identification
156	44	Rash Driving Detection using a Frontal View Camera in Cars
158	45	Dynamic Gesture Recognition with Pose-based CNN Features derived from videos using LSTM
161	46	Salient Object Detection based on Bayesian Surprise of Restricted Boltzmann Machine
173	47	Learning to prevent Monocular SLAM failure using Reinforcement Learning
177	48	Dual domain approach for colour enhancement of underwater images
180	49	Transferable and Fast Licence Plate Re-identification using a Neural Embedding of Fisher Vectors
190	50	Estimation of Ball Possession Statistics in Soccer Video
204	51	Greedy Gaussian Process Regression Applied to Object Categorization and Regression
211	52	Unsupervised Detection of Surface Mine Sites using Sentinel Multi-spectral Imagery and Dual-polarimetric SAR Data
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234	56	An Integrated Optimization Approach for Depth Map Enhancement on Special Riemannian Manifold
235	57	Image Co-segmentation using Graph Convolution Neural Network
236	58	A Rapid Non-Linear Diffusion Compressed Sensing parallel MR Image Reconstruction
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388	81	Integrating Objects into Monocular SLAM: Line Based Category Specific Models