

<b>Oral 6A / Poster 6</b>	
<b>Topic: Image and Video Processing and Retrieval</b>	
268	CompressNet: Generative Compression at Extremely Low Bitrates
323	A GAN-based Tunable Image Compression System
32	Going Much Wider with Deep Networks for Image Super-Resolution
173	Scale-aware Conditional Generative Adversarial Network for Image Dehazing
214	DCIL: Deep Contextual Internal Learning for Image Restoration and Image Retargeting
220	DAVID: Dual-Attentional Video Deblurring
228	360 Panorama Synthesis from a Sparse Set of Images with Unknown Field of View
234	From Image to Video Face Inpainting: Spatial-Temporal Nested GAN (STN-GAN) for Usability Recovery
276	Variational Image Deraining
327	End-to-End Trainable Video Super-Resolution Based on a New Mechanism for Implicit Motion Estimation and Compensation
373	Identifying Recurring Patterns with Deep Neural Networks for Natural Image Denoising
472	Characteristic Regularisation for Super-Resolving Face Images
581	ChromaGAN: Adversarial Picture Colorization with Semantic Class Distribution
794	Image denoising via K-SVD with primal-dual active set algorithm
37	Proposal-free Temporal Moment Localization of a Natural-Language Query in Video using Guided Attention
235	Improved Embeddings with Easy Positive Triplet Mining
279	Learning Discriminative and Generalizable Representations by Spatial-Channel Partition for Person Re-Identification
540	Deep Position-Aware Hashing for Semantic Continuous Image Retrieval
551	Spatial-Content Image Search in Complex Scenes
552	Cross-Time and Orientation-Invariant Overhead Image Geolocalization Using Deep Local Features
734	Geometric Image Correspondence Verification by Dense Pixel Matching
937	Image Hashing via Linear Discriminant Learning
1137	Stacked Adversarial Network for Zero-Shot Sketch based Image Retrieval
1212	2-MAP: Aligned Visualizations for Comparison of High-Dimensional Point Sets
389	Color Composition Similarity and Its Application in Fine-grained Similarity

	<b>Oral 6B / Poster 6</b>	
	<b>Topic: Security, Surveillance, and Motion</b>	
175	Street Scene: A new dataset and evaluation protocol for video anomaly detection	
187	Estimate 3D Camera Pose from Only 2D Pedestrian Trajectories	
195	Detecting Facial Reenactment in Videos	
244	Learning a distance function with a Siamese network to localize anomalies in videos	
255	Temporal Similarity Analysis of Remote Photoplethysmography for Fast 3D Mask Face Presentation Attack Detection	
368	Text-based Person Search via Attribute-aided Matching	
655	Multi-timescale Trajectory Prediction for Abnormal Human Activity Detection	
661	Relativistic Discriminator: A One-class Classifier for Generalized Iris Presentation Attack Detection	
706	Unsupervised Domain Adaptation in Person re-ID via k-Reciprocal Clustering and Large-Scale Heterogeneous Environment Synthesis	
867	SmoothFool: An Efficient Framework for Computing Smooth Adversarial Perturbations	
1165	Pose Guided Gated Fusion for Person Re-identification	
1283	EDGE19: A Cross Spectral Evaluation Dataset for Multiple Surveillance Problems	
1303	DeFraudNet:End2End Fingerprint Spoof Detection using Patch Level Attention	
127	Devon: Deformable Volume Network for Learning Optical Flow	
155	Stochastic Dynamics for Video Infilling	
194	Cross-conditioned Recurrent Networks for Long-term Synthesis of Inter-person Human Motion Interactions	
243	MotionRec: A Unified Deep Framework for Moving Object Recognition	
254	TwoStreamVAN: Improving Motion Modeling in Video Generation	
300	NRMVS: Non-Rigid Multi-view Stereo	
641	Fusing Semantics and Motion State Detection for Robust Visual SLAM	
729	A Fully-Convolutional Neural Network for Background Subtraction of Unseen Videos	
738	Disentangling Human Dynamics for Pedestrian Locomotion Forecasting with Noisy Supervision	
868	Adapting Grad-CAM for Embedding Networks	
951	Super-resolved Chromatic Mapping of Snapshot Mosaic Image Sensors via a Texture Sensitive Residual Network	





	<b>Oral 8A / Poster 8</b>	
	<b>Topic: Multimedia</b>	
45	Best Frame Selection in a Short Video	
70	Fast Video Multi-Style Transfer	
180	Toward Interactive Self-Annotation For Video Object Bounding Box: Recurrent Self-Learning And Hierarchical Annotation Based Framework	
314	TailorGAN: Making User-Defined Fashion Designs	
354	Coordinated Joint Multimodal Embeddings for Generalized Audio-Visual Zeroshot Classification and Retrieval of Videos	
382	s-SBIR: Style Augmented Sketch based Image Retrieval	
485	Personalizing Fast-Forward Videos Based on Visual and Textual Features from Social Network	
506	Unsupervised Image Style Embeddings for Retrieval and Recognition Tasks	
760	Animating Face using Disentangled Audio Representations	
856	High-Frequency Refinement for Sharper Video Super-Resolution	
993	AlignNet: A Unifying Approach to Audio-Visual Alignment	
1015	Eye Contact Correction using Deep Neural Networks	
1138	Attention Flow: End-to-End Joint Attention Estimation	
1150	PSNet: A Style Transfer Network for Point Cloud Stylization on Geometry and Color	
247	Neural Puppet: Generative Layered Cartoon Characters	
299	BRDF-Reconstruction in Photogrammetry Studio Setups	
396	Do As I Do: Transferring Human Motion and Appearance between Monocular Videos with Spatial and Temporal Constraints	
892	Temporal Aggregation with Clip-level Attention for Video-based Person Re-identification	
584	Neural Sign Language Synthesis: Words Are Our Glosses	
665	Preference-Based Image Generation	
744	Body Pose Sonification for a View-Independent Auditory Aid to Blind Rock Climbers	
925	Multimodal Image Outpainting With Regularized Normalized Diversification	
1259	Learning to Detect Head Movement in Unconstrained Remote Gaze Estimation in the Wild	

	<b>Oral 8B / Poster 8</b>	
	<b>Topic: Applications 3</b>	
110	MoBiNet: A Mobile Binary Network for Image Classification	
118	Image Difficulty Curriculum for Generative Adversarial Networks	
264	Fast Postprocessing for Difficult Discrete Energy Minimization Problems	
679	CoachGAN	
272	Towards Preserving the Ephemeral: Texture-Based Background Modelling for Capturing Back-of-the-Napkin Notes	
278	Unsupervised Writer Adaptation for Synthetic-to-Real Handwritten Word Recognition	
286	LEAF-QA: Locate, Encode & Attend for Figure Question Answering	
318	DeepErase: Unsupervised Ink Artifact Removal in Document Text Images	
143	Main-Secondary Network for Defect Segmentation of Textured Surface Images	
489	A Novel Inspection System For Variable Data Printing Using Deep Learning	
694	Print Defect Mapping with Semantic Segmentation	
297	Low Cost, High Performance Automatic Motorcycle Helmet Violation Detection	
331	Composition-Aware Image Aesthetics Assessment	
484	Adversarial Defense based on Structure-to-Signal Autoencoders	
742	Calibrated Domain-Invariant Learning for Highly Generalizable Large Scale Re-Identification	
1143	Two-Grid Preconditioned Solver for Bundle Adjustment	
1153	Towards a Unified Framework for Visual Compatibility Prediction	
95	NeurReg: Neural Registration and Its Application to Image Segmentation	
120	Enhanced generative adversarial network for 3D brain MRI super-resolution	
298	HistoNet: Predicting size histograms of object instances	
319	3D semi-supervised learning with uncertainty-aware multi-view co-training	
335	IterNet: Retinal Image Segmentation Utilizing Structural Redundancy in Vessel Networks	
730	Star-convex Polyhedra for 3D Object Detection and Segmentation in Microscopy	