

<b>Keynote3</b>		<b>8:30 – 9:30</b>
<b>location</b>	Cuihai Hall	
<b>Chair</b>	Richang Hong	
8:30 – 9:30	<b>Person Re-Identification: Datasets and Representations</b>	
<b>OS8: Object Tracking</b>		<b>10:00-11:00</b>
<b>location</b>	Cuihai Hall	
<b>Chair</b>	Jun Yu	
10:00 - 10:15	<b>Visual Object Tracking via Graph Learning and Flexible Manifold Ranking</b> Bo Jiang; Doudou Lin; Jin Tang; Bin Luo	
10:15 - 10:30	<b>Residual Compression Network for Faster Correlation Tracking</b> Chao Xie; Ning Wang; Wengang Zhou; Weiping Li; Houqiang Li	
10:30 - 10:45	<b>Extracting Features of Interest from Small Deep Networks for Efficient Visual Tracking</b> Zhao Luo; Shiming Ge; Yingying Hua; Haolin Liu; Xin Jin	
10:45 - 11:00	<b>Text Component Reconstruction for Tracking in Video</b> Minglei Yuan; Palaiahnakote Shivakumara; Hao Kong; Tong Lu; Umapada Pal	
<b>OS9: Recommendation and Prediction Algorithm</b>		<b>11:00-12:00</b>
<b>location</b>	Cuihai Hall	
<b>Chair</b>	Haojie Li	
11:00-11:15	<b>Visual-SLIM: Integrated sparse linear model with visual features for personalized recommendation</b> Siyang Chen; Feng Xue; Haobo Zhang	
11:15 - 11:30	<b>Discrete Manifold-Regularized Collaborative Filtering for Large-scale Recommender Systems</b> Deming Zhai; Ao Li; Yang Li; Yang Liu; Guojun Liu; Xianming Liu; Maozu Guo	
11:30 – 11:45	<b>Multi-modal Sequence to Sequence Learning with Content Attention for Hotspot Traffic Speed Prediction</b> Binbing Liao; Siliang Tang; Shengwen Yang; Wenwu Zhu; Fei Wu	
11:45 - 12:00	<b>Context and Temporal Aware Attention Model for Flood Prediction</b> Zhaoyang Liu; Yirui Wu; Yukai Ding; Jun Feng; Tong Lu	
<b>OS10: Image Processing</b>		<b>14:00 – 15:00</b>
<b>location</b>	Cuihai Hall	
<b>Chair</b>	Yuming Fang	
14:00 - 14:15	<b>Semantic correspondence guided deep photo style transfer</b> Zhijiao Xiao; Xiaole Zhang; Xiaoyan Zhang	
14:15 - 14:30	<b>Reflection Separation Using Patch-Wise Sparse and Low-Rank Decomposition</b> Jie Guo; Chunyou Li; Zuojian Zhou; Jingui Pan	
14:30 -14:45	<b>Adaptive Integration Skip Compensation Neural Networks for Removing Mixed Noise in Image</b> Kai Lin; Yiwei Zhang; Thomas H Li; Kan Huang; Ge Li	
14:45 -15:00	<b>None Ghosting Artifacts Stitching Based on Depth Map for Light Field Image</b> Wenyuan Zhang; Shengyang Zhao; Wei Zhou; Zhibo Chen	
<b>OS11: Image Reconstruction and Segmentation</b>		<b>14:00 – 15:00</b>
<b>location</b>	Hongfeng Hall	
<b>Chair</b>	Qin Jin	
14:00 - 14:15	<b>CS-DeCNN: Deconvolutional neural network for reconstructing images from compressively sensed measurements</b> Wentao Wan; Guohui Li; Peng Pan	
14:15 - 14:30	<b>Neutrosophic C-means Clustering with Local Information and Noise Distance-based Kernel Metric Image Segmentation</b> Zhenyu Lu; Yunan Qiu; Tianming Zhan	
14:30 -14:45	<b>Gaussian Dilated Convolution for Semantic Image Segmentation</b> Falong Shen; Gang Zeng	

14:45 -15:00 **Multiscale Cascaded Scene-specific Convolutional Neural Networks for Background Subtraction**  
Jian Liao; Guanjun Guo; Yan Yan; Hanzi Wang

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**OS12: Multimedia Retrieval** **15:00 – 16:00**

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**location** Cuihai Hall

**Chair** Hong Lu

15:00 - 15:15 **Deep Discriminative Quantization Hashing for Image Retrieval**

Jingbo Fan; Chuanchuan Chen; Yuesheng Zhu

15:15 - 15:30 **Modeling Text with Graph Convolutional Network for Cross-Modal Information Retrieval**

Jing Yu; Yuhang Lu; Zengchang Qin; Weifeng Zhang; Yanbing Liu; Jianlong Tan; Li Guo

15:30 -15:45 **Retrieval across Optical and SAR Images with Deep Neural Network**

Yifan Zhang; Wengang Zhou; Houqiang Li

15:45 -16:00 **Dual Subspaces with Adversarial Learning for Cross-modal Retrieval**

Yaxian Xia; Wenmin Wang; and Liang Han

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**OS13: Human Behavior Analysis** **15:00 – 16:00**

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**location** Hongfeng Hall

**Chair** Dong Liu

15:00 - 15:15 **Hand Pose Estimation with Attention-and-Sequence Network**

Tianping Hu; Wenhai Wang; Tong Lu

15:15 - 15:30 **Mutiple Transfer Net with Region Eensemble for Deep Hand Pose Estimation**

Haoqian Wang; Da Li; Xingzheng Wang; Yongbing Zhang

15:30 -15:45 **Video-based Person Re-identification with Adaptive Multi-part Features Learning**

Jingjing Wu; Jianguo Jiang; Meibin Qi; Hao Liu; Meng Wang

15:45 -16:00 **Temporal-Contextual Attention Network for Video-based Person Re-identification**

Di Chen; Zhengjun Zha; Jiawei Liu; Hongtao Xie; Yongdong Zhang

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**OS14: Multimedia System and Applications** **16:30 - 17:30**

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**location** Cuihai Hall

**Chair** Xianyong Fang

16:30 - 16:45 **Smoothness Assisted interactive Face Annotation via Neural Network**

Jin Sun; Hao He; Hengli Luo; Liyan Zhang

16:45 - 17:00 **View-dependent Streaming of Dynamic Point Cloud over Hybrid Networks**

Lanyi He; Wenjie Zhu; Ke Zhang; Yiling Xu

17:00 -17:15 **Subjective Quality Assessment of Stereoscopic Omnidirectional Image**

Jiahua Xu; Chaoyi Lin; Wei Zhou; Zhibo Chen

17:15 -17:30 **Reading Document and Answering Question via Global Attentional Inference**

Jun Song; Siliang Tang; Tianchi Qian; Wenwu Zhu; Fei Wu

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**Poster session 3** **10:00 - 12:00**

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**location** Corridor

**Chair** Lifang Wu

Latitude-based Visual Attention in 360-degree Video Display

Branched Convolutional Neural Networks for Face Alignment

A Robust Approach for Scene Text Detection and Tracking in Video

Improving Intra Block Copy with Low-Rank Based Rectification for Urban Building Scenes

Assembly-based 3D Modeling using Graph Convolutional Neural Networks

Blur Measurement for Partially Blurred Images with Saliency Constrained Global Refinement

SCAN: Spatial and Channel Attention Network for Vehicle Re-Identification

Speech Data Enhancement Based on Hybrid Neural Network

Unified Data Hiding and Scrambling Method for JPEG Images

Cross-Modal Retrieval with Discriminative Dual-Path CNN

Deep Learning for Ovarian Tumor Classification with Ultrasound Images

Arbitrary Image Emotionalizing with Style Transfer  
 Text-to-Image synthesis via visual-memory creative adversarial network  
 Sequence-based Recommendation with Bidirectional LSTM Network  
 Natural Scene Text Detection Based on Deep Supervised Fully Convolutional Network  
 MFM: A Multi-level Fused Sequence Matching Model for Candidates Filtering in Multi-paragraphs  
 Question-Answering  
 Multiview CNN model for sensor fusion based Vehicle Detection  
 Color Image Super Resolution by Using Cross-Channel Correlation  
 Stereoscopic Video Quality Prediction Based on End-to-End Dual Stream Deep Neural Networks  
 Fast and Robust 3D Numerical Method for Coronary Artery Vesselness Diffusion from CTA Images  
 Multi-view Viewpoint Assessment for Architectural Photos  
 Underwater Image Enhancement using Stacked Generative Adversarial Networks  
 An Efficient Complexity Reduction Scheme for CU Partitioning in Quality Scalable HEVC  
 Extended Multi-Column Convolutional Neural Network for Crowd Counting  
 ECG Classification Algorithm Using Shape Context

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**Poster session 4** **14:00 - 16:00**

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**location** Corridor

**Chair** Cong Bai

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Small Object Detection Using Deep Feature Pyramid Networks  
 Dataset Refinement for Convolutional Neural Networks via Active Learning  
 Gaze information channel  
 A Multi-information Fusion Model for Shop Recommendation Based on Deep Learning  
 An Improved SKFCM- CV Whole Heart MR Image Segmentation algorithm  
 An Image Splicing Localization Algorithm Based on SLIC and Image Features  
 Effect of Checkerboard on the Accuracy of Camera Calibration  
 Weighted Multi-Feature Fusion Algorithm for Fine-Grained Image Retrieval  
 Convolutional Neural Networks Based Soft Video Broadcast  
 Image Generation for Printed Character by Representation Learning  
 CRNet: Classification and Regression Neural Network for Facial Beauty Prediction  
 Stitches Generation for Random-needle Embroidery based on Markov Chain Model  
 Image Recognition with Deep Learning for Library Book Identification  
 Learning Affective Features Based on VIP for Video Affective Content Analysis  
 Research on Multitask Deep Learning Network for Semantic Segmentation and Object Detection  
 Learning to Match using Siamese Network for Object Tracking  
 Macropixel based Fast Motion Estimation for Plenoptic Video Compression  
 Text to Region: Visual-word Guided Saliency Detection  
 Text-guided dual-branch attention network for Visual Question Answering  
 A Fast Zero-quantized Percentage Model for Video Coding with RDO Quantization  
 Partially Separated Networks for Person Search  
 Action Tree Convolutional Networks: Skeleton-Based Human Action Recognition  
 Research of Secret Sharing Digital Watermarking Scheme Based on Spread Spectrum Algorithm and PCA  
 Convolutional neural networks based image classification for Himawari-8 stationary satellite imagery

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**Poster session 5** **16:30 - 18:30**

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**location** Corridor

**Chair** Xinchun Ye

Simulating Bokeh Effect with Kinect  
 Multi-graph Regularized Deep Auto-Encoders for Multi-view Image Representation  
 A Rapid Scene Depth Estimation Model Based on Underwater Light Attenuation Prior for Underwater  
 Image Restoration  
 Adaptive STBC Scheme for Soft Video Transmission With Multiple Antennas  
 GPU Assisted Towards Real-time Reconstruction for Dual-camera Compressive Hyperspectral Imaging  
 Getting More From One Attractive Scene: Venue Retrieval in Micro-videos  
 Improve Predictive Accuracy by Identifying Collusions in P2P Recommender Systems  
 LFSF: Latent Factor-based Similarity Framework and Its Application for Collaborative Recommendation

Perceptual Image Dehazing Based on Generative Adversarial Learning  
Discrete Semi-supervised Multi-label Learning for Image Classification  
Hypergraph-based Discrete Hashing Learning for Cross-Modal Retrieval  
Enhanced Linear Discriminant Canonical Correlation Analysis for Cross-modal Fusion Recognition  
Prediction Method of Parking Space Based on Genetic Algorithm and RNN  
Image Aesthetics Assessment Based on User Social Behavior  
Multispectral Foreground Detection via Robust Cross-Modal Low-Rank Decomposition  
Leveraging User Personality and Tag Information for One Class Collaborative Filtering  
Spatial-Temporal Attention for Action Recognition  
Cross-Media Feature Learning Framework with Semi- Supervised Graph Regularization  
Sequential Feature Fusion for Object Detection  
Discriminative Correlation Quantization for Cross-Modal Similarity Retrieval

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