

37th AAAI Conference on Artificial Intelligence (AAAI-23)

Volume 2: AAAI Technical Tracks

- Computer Vision II

Washington, DC, USA
7-14 February 2023

Part 1 of 2

ISBN: 978-1-7138-7812-4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2023) by Association for the Advancement of Artificial Intelligence
All rights reserved.

Printed with permission by Curran Associates, Inc. (2023)

For permission requests, please contact Association for the Advancement of Artificial Intelligence
at the address below.

Association for the Advancement of Artificial Intelligence
2275 East Bayshore Road
Suite 160
Palo Alto, California 94303
USA

Phone: 1-650-328-3123
Fax: 1-650-321-4457

<https://aaai.org/Press/press.php>

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

PART 1

AAAI TECHNICAL TRACK ON COMPUTER VISION II

DC-Former: Diverse and Compact Transformer for Person Re-identification	1415
<i>Wen Li, Cheng Zou, Meng Wang, Furong Xu, Jianan Zhao, Ruobing Zheng, Yuan Cheng, Wei Chu</i>	
Panoramic Video Salient Object Detection with Ambisonic Audio Guidance	1424
<i>Xiang Li, Haoyuan Cao, Shijie Zhao, Junlin Li, Li Zhang, Bhiksha Raj</i>	
LWSIS: LiDAR-Guided Weakly Supervised Instance Segmentation for Autonomous Driving	1433
<i>Xiang Li, Junbo Yin, Botian Shi, Yikang Li, Ruigang Yang, Jianbing Shen</i>	
Adaptive Texture Filtering for Single-Domain Generalized Segmentation.....	1442
<i>Xinhui Li, Mingjia Li, Yaxing Wang, Chuan-Xian Ren, Xiaojie Guo</i>	
MEID: Mixture-of-Experts with Internal Distillation for Long-Tailed Video Recognition.....	1451
<i>Xinjie Li, Huijuan Xu</i>	
Gradient Corner Pooling for Keypoint-Based Object Detection	1460
<i>Xuyang Li, Xuemei Xie, Mingxuan Yu, Jiakai Luo, Chengwei Rao, Guangming Shi</i>	
Towards Real-Time Segmentation on the Edge.....	1468
<i>Yanyu Li, Changdi Yang, Pu Zhao, Geng Yuan, Wei Niu, Jiexiong Guan, Hao Tang, Minghai Qin, Qing Jin, Bin Ren, Xue Lin, Yanzhi Wang</i>	
BEVDepth: Acquisition of Reliable Depth for Multi-View 3D Object Detection.....	1477
<i>Yinhao Li, Zheng Ge, Guanyi Yu, Jinrong Yang, Zengran Wang, Yukang Shi, Jianjian Sun, Zeming Li</i>	
BEVStereo: Enhancing Depth Estimation in Multi-View 3D Object Detection with Temporal Stereo.....	1486
<i>Yinhao Li, Han Bao, Zheng Ge, Jinrong Yang, Jianjian Sun, Zeming Li</i>	
Learning Single Image Defocus Deblurring with Misaligned Training Pairs.....	1495
<i>Yu Li, Dongwei Ren, Xinya Shu, Wangmeng Zuo</i>	
Curriculum Temperature for Knowledge Distillation.....	1504
<i>Zheng Li, Xiang Li, Lingfeng Yang, Borui Zhao, Renjie Song, Lei Luo, Jun Li, Jian Yang</i>	
Actionness Inconsistency-Guided Contrastive Learning for Weakly-Supervised Temporal Action Localization	1513
<i>Zhilin Li, Zilei Wang, Qinying Liu</i>	
READ: Large-Scale Neural Scene Rendering for Autonomous Driving.....	1522
<i>Zhuopeng Li, Lu Li, Jianke Zhu</i>	
CDTA: A Cross-Domain Transfer-Based Attack with Contrastive Learning	1530
<i>Zihan Li, Weibin Wu, Yuxin Su, Zibin Zheng, Michael R. Lyu</i>	

HybridCap: Inertia-Aid Monocular Capture of Challenging Human Motions	1539
<i>Han Liang, Yannan He, Chengfeng Zhao, Mutian Li, Jingya Wang, Jingyi Yu, Lan Xu</i>	
Global Dilated Attention and Target Focusing Network for Robust Tracking.....	1549
<i>Yun Liang, Qiaoqiao Li, Fumian Long</i>	
Only a Few Classes Confusing: Pixel-Wise Candidate Labels Disambiguation for Foggy Scene Understanding	1558
<i>Liang Liao, Wenyi Chen, Zhen Zhang, Jing Xiao, Yan Yang, Chia-Wen Lin, Shin'ichi Satoh</i>	
Actional Atomic-Concept Learning for Demystifying Vision-Language Navigation	1568
<i>Bingqian Lin, Yi Zhu, Xiaodan Liang, Liang Lin, Jianzhuang Liu</i>	
Probability Guided Loss for Long-Tailed Multi-Label Image Classification	1577
<i>Dekun Lin</i>	
Self-Supervised Image Denoising Using Implicit Deep Denoiser Prior.....	1586
<i>Huangxing Lin, Yihong Zhuang, Xinghao Ding, Delu Zeng, Yue Huang, Xiaotong Tu, John Paisley</i>	
Accelerating the Training of Video Super-resolution Models	1595
<i>Lijian Lin, Xintao Wang, Zhongang Qi, Ying Shan</i>	
SelectAugment: Hierarchical Deterministic Sample Selection for Data Augmentation.....	1604
<i>Shiqi Lin, Zhizheng Zhang, Xin Li, Zhibo Chen</i>	
AdaCM: Adaptive ColorMLP for Real-Time Universal Photo-Realistic Style Transfer.....	1613
<i>Tianwei Lin, Honglin Lin, Fu Li, Dongliang He, Wenhao Wu, Meiling Wang, Xin Li, Yong Liu</i>	
SEPT: Towards Scalable and Efficient Visual Pre-training	1622
<i>Yiqi Lin, Huabin Zheng, Huaping Zhong, Jinjing Zhu, Weijia Li, Conghui He, Lin Wang</i>	
Cross-Modality Earth Mover's Distance for Visible Thermal Person Re-identification	1631
<i>Yongguo Ling, Zhun Zhong, Zhiming Luo, Fengxiang Yang, Donglin Cao, Yaojin Lin, Shaozi Li, Nicu Sebe</i>	
Hypotheses Tree Building for One-Shot Temporal Sentence Localization	1640
<i>Daizong Liu, Xiang Fang, Pan Zhou, Xing Di, Weining Lu, Yu Cheng</i>	
The Devil Is in the Frequency: Geminated Gestalt Autoencoder for Self-Supervised Visual Pre-training	1649
<i>Hao Liu, Xinghua Jiang, Xin Li, Antai Guo, Yiqing Hu, Deqiang Jiang, Bo Ren</i>	
M3AE: Multimodal Representation Learning for Brain Tumor Segmentation with Missing Modalities.....	1657
<i>Hong Liu, Dong Wei, Donghuan Lu, Jinghan Sun, Liansheng Wang, Yefeng Zheng</i>	
From Coarse to Fine: Hierarchical Pixel Integration for Lightweight Image Super-resolution.....	1666
<i>Jie Liu, Chao Chen, Jie Tang, Gangshan Wu</i>	
Fast Fluid Simulation via Dynamic Multi-Scale Gridding	1675
<i>Jinxian Liu, Ye Chen, Bingbing Ni, Wei Ren, Zhenbo Yu, Xiaoyang Huang</i>	
TransLO: A Window-Based Masked Point Transformer Framework for Large-Scale LiDAR Odometry.....	1683
<i>Jiuming Liu, Guangming Wang, Chaokang Jiang, Zhe Liu, Hesheng Wang</i>	

Low-Light Video Enhancement with Synthetic Event Guidance	1692
<i>Lin Liu, Junfeng An, Jianzhuang Liu, Shanxin Yuan, Xiangyu Chen, Wengang Zhou, Houqiang Li, Yan Feng Wang, Qi Tian</i>	
Novel Motion Patterns Matter for Practical Skeleton-Based Action Recognition.....	1701
<i>Mengyuan Liu, Fanyang Meng, Chen Chen, Songtao Wu</i>	
EMEF: Ensemble Multi-Exposure Image Fusion.....	1710
<i>Renshuai Liu, Chengyang Li, Haitao Cao, Yinglin Zheng, Ming Zeng, Xuan Cheng</i>	
Reducing Domain Gap in Frequency and Spatial Domain for Cross-Modality Domain Adaptation on Medical Image Segmentation	1719
<i>Shaolei Liu, Siqi Yin, Linhao Qu, Manning Wang</i>	
DQ-DETR: Dual Query Detection Transformer for Phrase Extraction and Grounding	1728
<i>Shilong Liu, Shijia Huang, Feng Li, Hao Zhang, Yaoyuan Liang, Hang Su, Jun Zhu, Lei Zhang</i>	
Progressive Neighborhood Aggregation for Semantic Segmentation Refinement	1737
<i>Ting Liu, Yunchao Wei, Yanning Zhang</i>	
CoordFill: Efficient High-Resolution Image Inpainting via Parameterized Coordinate Querying.....	1746
<i>Weihuang Liu, Xiaodong Cun, Chi-Man Pun, Menghan Xia, Yong Zhang, Jue Wang</i>	
CCQ: Cross-Class Query Network for Partially Labeled Organ Segmentation	1755
<i>Xuyang Liu, Bingbing Wen, Sibe Yang</i>	
Counterfactual Dynamics Forecasting – a New Setting of Quantitative Reasoning.....	1764
<i>Yanzhu Liu, Ying Sun, Joo-Hwee Lim</i>	
Self-Decoupling and Ensemble Distillation for Efficient Segmentation	1772
<i>Yuang Liu, Wei Zhang, Jun Wang</i>	
Token Mixing: Parameter-Efficient Transfer Learning from Image-Language to Video-Language	1781
<i>Yuqi Liu, Luhui Xu, Pengfei Xiong, Qin Jin</i>	
StereoDistill: Pick the Cream from LiDAR for Distilling Stereo-Based 3D Object Detection	1790
<i>Zhe Liu, Xiaoqing Ye, Xiao Tan, Errui Ding, Xiang Bai</i>	
Good Helper Is around You: Attention-Driven Masked Image Modeling	1799
<i>Zhengqi Liu, Jie Gui, Hao Luo</i>	
RADIANT: Radar-Image Association Network for 3D Object Detection.....	1808
<i>Yunfei Long, Abhinav Kumar, Daniel Morris, Xiaoming Liu, Marcos Castro, Punarjay Chakravarty</i>	
CRIN: Rotation-Invariant Point Cloud Analysis and Rotation Estimation via Centrifugal Reference Frame.....	1817
<i>Yujing Lou, Zelin Ye, Yang You, Nianjuan Jiang, Jiangbo Lu, Weiming Wang, Lizhuang Ma, Cewu Lu</i>	
See Your Emotion from Gait Using Unlabeled Skeleton Data	1826
<i>Haifeng Lu, Xiping Hu, Bin Hu</i>	
Learning Progressive Modality-Shared Transformers for Effective Visible-Infrared Person Re-identification.....	1835
<i>Hu Lu, Xuezhong Zou, Pingping Zhang</i>	

Breaking Immutable: Information-Coupled Prototype Elaboration for Few-Shot Object Detection	1844
<i>Xiaonan Lu, Wenhui Diao, Yongqiang Mao, Junxi Li, Peijin Wang, Xian Sun, Kun Fu</i>	
ParaFormer: Parallel Attention Transformer for Efficient Feature Matching	1853
<i>Xiaoyong Lu, Yaping Yan, Bin Kang, Songlin Du</i>	
Robust One-Shot Segmentation of Brain Tissues via Image-Aligned Style Transformation	1861
<i>Jinxin Lv, Xiaoyu Zeng, Sheng Wang, Ran Duan, Zhiwei Wang, Qiang Li</i>	
HRDoc: Dataset and Baseline Method toward Hierarchical Reconstruction of Document Structures	1870
<i>Jiefeng Ma, Jun Du, Pengfei Hu, Zhenrong Zhang, Jianshu Zhang, Huihui Zhu, Cong Liu</i>	
Semantic 3D-Aware Portrait Synthesis and Manipulation Based on Compositional Neural Radiance Field.....	1878
<i>Tianxiang Ma, Bingchuan Li, Qian He, Jing Dong, Tieniu Tan</i>	
CFFT-GAN: Cross-Domain Feature Fusion Transformer for Exemplar-Based Image Translation	1887
<i>Tianxiang Ma, Bingchuan Li, Wei Liu, Miao Hua, Jing Dong, Tieniu Tan</i>	
StyleTalk: One-Shot Talking Head Generation with Controllable Speaking Styles	1896
<i>Yifeng Ma, Suzhen Wang, Zhipeng Hu, Changjie Fan, Tangjie Lv, Yu Ding, Zhidong Deng, Xin Yu</i>	
Intriguing Findings of Frequency Selection for Image Deblurring	1905
<i>Xintian Mao, Yiming Liu, Fengze Liu, Qingli Li, Wei Shen, Yan Wang</i>	
DocEdit: Language-Guided Document Editing.....	1914
<i>Puneet Mathur, Rajiv Jain, Jiuxiang Gu, Franck Deroncourt, Dinesh Manocha, Vlad I. Morariu</i>	
Progressive Few-Shot Adaptation of Generative Model with Align-Free Spatial Correlation	1923
<i>Jongbo Moon, Hyunjun Kim, Jae-Pil Heo</i>	
Minority-Oriented Vicinity Expansion with Attentive Aggregation for Video Long-Tailed Recognition	1931
<i>WonJun Moon, Hyun Seok Seong, Jae-Pil Heo</i>	
Show, Interpret and Tell: Entity-Aware Contextualised Image Captioning in Wikipedia.....	1940
<i>Khanh Nguyen, Ali Furkan Biten, Andres Mafra, Lluís Gomez, Dimosthenis Karatzas</i>	
TaCo: Textual Attribute Recognition via Contrastive Learning	1949
<i>Chang Nie, Yiqing Hu, Yanqiu Qu, Hao Liu, Deqiang Jiang, Bo Ren</i>	
GLT-T: Global-Local Transformer Voting for 3D Single Object Tracking in Point Clouds	1957
<i>Jiahao Nie, Zhiwei He, Yuxiang Yang, Mingyu Gao, Jing Zhang</i>	
Adapting Object Size Variance and Class Imbalance for Semi-supervised Object Detection	1966
<i>Yuxiang Nie, Chaowei Fang, Lechao Cheng, Liang Lin, Guanbin Li</i>	
MIMO Is All You Need : A Strong Multi-in-Multi-Out Baseline for Video Prediction	1975
<i>Shuliang Ning, Mengcheng Lan, Yanran Li, Chaofeng Chen, Qian Chen, Xunlai Chen, Xiaoguang Han, Shuguang Cui</i>	
Universe Points Representation Learning for Partial Multi-Graph Matching	1984
<i>Zhakshylyk Nurlanov, Frank R. Schmidt, Florian Bernard</i>	

Robust Image Denoising of No-Flash Images Guided by Consistent Flash Images	1993
<i>Geunwoo Oh, Jonghee Back, Jae-Pil Heo, Bochang Moon</i>	
Coarse2Fine: Local Consistency Aware Re-prediction for Weakly Supervised Object Localization.....	2002
<i>Yixuan Pan, Yao Yao, Yichao Cao, Chongjin Chen, Xiaobo Lu</i>	
Find Beauty in the Rare: Contrastive Composition Feature Clustering for Nontrivial Cropping Box Regression	2011
<i>Zhiyu Pan, Yinpeng Chen, Jiale Zhang, Hao Lu, Zhiguo Cao, Weicai Zhong</i>	
Domain Decorrelation with Potential Energy Ranking	2020
<i>Sen Pei, Jiayi Sun, Richard Yi Da Xu, Shiming Xiang, Gaofeng Meng</i>	

PART 2

PDRF: Progressively Deblurring Radiance Field for Fast Scene Reconstruction from Blurry Images.....	2029
<i>Cheng Peng, Rama Chellappa</i>	
Efficient End-to-End Video Question Answering with Pyramidal Multimodal Transformer.....	2038
<i>Min Peng, Chongyang Wang, Yu Shi, Xiang-Dong Zhou</i>	
CL3D: Unsupervised Domain Adaptation for Cross-LiDAR 3D Detection.....	2047
<i>Xidong Peng, Xinge Zhu, Yuexin Ma</i>	
Better and Faster: Adaptive Event Conversion for Event-Based Object Detection.....	2056
<i>Yansong Peng, Yueyi Zhang, Peilin Xiao, Xiaoyan Sun, Feng Wu</i>	
CSTAR: Towards Compact and Structured Deep Neural Networks with Adversarial Robustness	2065
<i>Huy Phan, Miao Yin, Yang Sui, Bo Yuan, Saman Zonouz</i>	
Exploring Stochastic Autoregressive Image Modeling for Visual Representation	2074
<i>Yu Qi, Fan Yang, Yousong Zhu, Yufei Liu, Liwei Wu, Rui Zhao, Wei Li</i>	
Context-Aware Transformer for 3D Point Cloud Automatic Annotation	2082
<i>Xiaoyan Qian, Chang Liu, Xiaojuan Qi, Siew-Chong Tan, Edmund Lam, Ngai Wong</i>	
Data-Efficient Image Quality Assessment with Attention-Panel Decoder	2091
<i>Guanyi Qin, Runze Hu, Yutao Liu, Xiawu Zheng, Haotian Liu, Xiu Li, Yan Zhang</i>	
FoPro: Few-Shot Guided Robust Webly-Supervised Prototypical Learning.....	2101
<i>Yulei Qin, Xingyu Chen, Chao Chen, Yunhang Shen, Bo Ren, Yun Gu, Jie Yang, Chunhua Shen</i>	
Exposing the Self-Supervised Space-Time Correspondence Learning via Graph Kernels	2110
<i>Zheyun Qin, Xiankai Lu, Xiushan Nie, Yilong Yin, Jianbing Shen</i>	
Exploring Stroke-Level Modifications for Scene Text Editing	2119
<i>Yadong Qu, Qingfeng Tan, Hongtao Xie, Jianjun Xu, YuXin Wang, Yongdong Zhang</i>	
Unsupervised Deep Learning for Phase Retrieval via Teacher-Student Distillation	2128
<i>Yuhui Quan, Zhile Chen, Tongyao Pang, Hui Ji</i>	
A Learnable Radial Basis Positional Embedding for Coordinate-MLPs.....	2137
<i>Sameera Ramasinghe, Simon Lucey</i>	
Action-Conditioned Generation of Bimanual Object Manipulation Sequences	2146
<i>Haziq Razali, Yiannis Demiris</i>	

Mean-Shifted Contrastive Loss for Anomaly Detection.....	2155
<i>Tal Reiss, Yedid Hoshen</i>	
Two Heads Are Better than One: Image-Point Cloud Network for Depth-Based 3D Hand Pose Estimation.....	2163
<i>Pengfei Ren, Yuchen Chen, Jiachang Hao, Haifeng Sun, Qi Qi, Jingyu Wang, Jianxin Liao</i>	
MAGIC: Mask-Guided Image Synthesis by Inverting a Quasi-robust Classifier.....	2172
<i>Mozhdeh Rouhsedaghat, Masoud Monajatipoor, C.-C. Jay Kuo, Iacopo Masi</i>	
Domain Generalised Faster R-CNN.....	2180
<i>Karthik Seemakurthy, Charles Fox, Erchan Aptoula, Petra Bosilj</i>	
MIDMs: Matching Interleaved Diffusion Models for Exemplar-Based Image Translation.....	2191
<i>Junyoung Seo, Gyuseong Lee, Seokju Cho, Jiyoung Lee, Seungryong Kim</i>	
JR2Net: Joint Monocular 3D Face Reconstruction and Reenactment.....	2200
<i>Jiaxiang Shang, Yu Zeng, Xin Qiao, Xin Wang, Runze Zhang, Guangyuan Sun, Vishal Patel, Hongbo Fu</i>	
HVTSurv: Hierarchical Vision Transformer for Patient-Level Survival Prediction from Whole Slide Image.....	2209
<i>Zhuchen Shao, Yang Chen, Hao Bian, Jian Zhang, Guojun Liu, Yongbing Zhang</i>	
Channel Regeneration: Improving Channel Utilization for Compact DNNs.....	2218
<i>Ankit Sharma, Hassan Foroosh</i>	
Adaptive Dynamic Filtering Network for Image Denoising.....	2227
<i>Hao Shen, Zhong-Qiu Zhao, Wandu Zhang</i>	
Edge Structure Learning via Low Rank Residuals for Robust Image Classification.....	2236
<i>Xiang-Jun Shen, Stanley Ebhohimhen Abhadiomhen, Yang Yang, Zhifeng Liu, Sirui Tian</i>	
Memory-Oriented Structural Pruning for Efficient Image Restoration.....	2245
<i>Xiangsheng Shi, Xuefei Ning, Lidong Guo, Tianchen Zhao, Enshu Liu, Yi Cai, Yuhan Dong, Huazhong Yang, Yu Wang</i>	
YOLOV: Making Still Image Object Detectors Great at Video Object Detection.....	2254
<i>Yuheng Shi, Naiyan Wang, Xiaojie Guo</i>	
FeedFormer: Revisiting Transformer Decoder for Efficient Semantic Segmentation.....	2263
<i>Jae-hun Shim, Hyunwoo Yu, Kyeongbo Kong, Suk-Ju Kang</i>	
Task-Specific Scene Structure Representations.....	2272
<i>Jisu Shin, Seunghyun Shin, Hae-Gon Jeon</i>	
Diversified and Realistic 3D Augmentation via Iterative Construction, Random Placement, and HPR Occlusion.....	2282
<i>Jungwook Shin, Jaeill Kim, Kyungeun Lee, Hyunghun Cho, Wonjong Rhee</i>	
SHUNIT: Style Harmonization for Unpaired Image-to-Image Translation.....	2292
<i>Seokbeom Song, Suhyeon Lee, Hongje Seong, Kyoungwon Min, Euntai Kim</i>	
Siamese-Discriminant Deep Reinforcement Learning for Solving Jigsaw Puzzles with Large Eroded Gaps.....	2303
<i>Xingke Song, Jiahuan Jin, Chenglin Yao, Shihe Wang, Jianfeng Ren, Ruibin Bai</i>	

CLIPVG: Text-Guided Image Manipulation Using Differentiable Vector Graphics	2312
<i>Yiren Song, Xuning Shao, Kang Chen, Weidong Zhang, Zhongliang Jing, Minzhe Li</i>	
Compact Transformer Tracker with Correlative Masked Modeling	2321
<i>Zikai Song, Run Luo, Junqing Yu, Yi-Ping Phoebe Chen, Wei Yang</i>	
Text-DIAE: A Self-Supervised Degradation Invariant Autoencoder for Text Recognition and Document Enhancement.....	2330
<i>Mohamed Ali Souibgui, Sanket Biswas, Andres Mafla, Ali Furkan Biten, Alicia Fornés, Yousri Kessentini, Josep Lladós, Lluís Gomez, Dimosthenis Karatzas</i>	
PUPS: Point Cloud Unified Panoptic Segmentation	2339
<i>Shihao Su, Jianyun Xu, Huanyu Wang, Zhenwei Miao, Xin Zhan, Dayang Hao, Xi Li</i>	
Efficient Edge-Preserving Multi-View Stereo Network for Depth Estimation.....	2348
<i>Wanjuan Su, Wenbing Tao</i>	
Referring Expression Comprehension Using Language Adaptive Inference	2357
<i>Wei Su, Peihan Miao, Huanzhang Dou, Yongjian Fu, Xi Li</i>	
Rethinking Data Augmentation for Single-Source Domain Generalization in Medical Image Segmentation	2366
<i>Zixian Su, Kai Yao, Xi Yang, Kaizhu Huang, Qiufeng Wang, Jie Sun</i>	
Hybrid Pixel-Unshuffled Network for Lightweight Image Super-resolution	2375
<i>Bin Sun, Yulun Zhang, Songyao Jiang, Yun Fu</i>	
Learning Event-Relevant Factors for Video Anomaly Detection	2384
<i>Che Sun, Chenrui Shi, Yunde Jia, Yuwei Wu</i>	
Superpoint Transformer for 3D Scene Instance Segmentation.....	2393
<i>Jiahao Sun, Chunmei Qing, Junpeng Tan, Xiangmin Xu</i>	
Asynchronous Event Processing with Local-Shift Graph Convolutional Network.....	2402
<i>Linhui Sun, Yifan Zhang, Jian Cheng, Hanqing Lu</i>	
DENet: Disentangled Embedding Network for Visible Watermark Removal	2411
<i>Ruizhou Sun, Yukun Su, Qingyao Wu</i>	
Deep Manifold Attack on Point Clouds via Parameter Plane Stretching.....	2420
<i>Keke Tang, Jianpeng Wu, Weilong Peng, Yawen Shi, Peng Song, Zhaoquan Gu, Zhihong Tian, Wenping Wang</i>	
Fair Generative Models via Transfer Learning.....	2429
<i>Christopher T.H. Teo, Milad Abdollahzadeh, Ngai-Man Cheung</i>	
Learning Context-Aware Classifier for Semantic Segmentation	2438
<i>Zhuotao Tian, Jiequan Cui, Li Jiang, Xiaojuan Qi, Xin Lai, Yixin Chen, Shu Liu, Jiaya Jia</i>	
TopicFM: Robust and Interpretable Topic-Assisted Feature Matching	2447
<i>Khang Truong Giang, Soohwan Song, Sungho Jo</i>	
Learning Fractals by Gradient Descent	2456
<i>Cheng-Hao Tu, Hong-You Chen, David Carlyn, Wei-Lun Chao</i>	

Leveraging Weighted Cross-Graph Attention for Visual and Semantic Enhanced Video Captioning Network.....	2465
<i>Deepali Verma, Arya Halder, Tanima Dutta</i>	
Doodle to Object: Practical Zero-Shot Sketch-Based 3D Shape Retrieval.....	2474
<i>Bingrui Wang, Yuan Zhou</i>	
Controlling Class Layout for Deep Ordinal Classification via Constrained Proxies Learning.....	2483
<i>Cong Wang, Zhiwei Jiang, Yafeng Yin, Zifeng Cheng, Shiping Ge, Qing Gu</i>	
Dual Memory Aggregation Network for Event-Based Object Detection with Learnable Representation.....	2492
<i>Dongsheng Wang, Xu Jia, Yang Zhang, Xinyu Zhang, Yaoyuan Wang, Ziyang Zhang, Dong Wang, Huchuan Lu</i>	
Text to Point Cloud Localization with Relation-Enhanced Transformer.....	2501
<i>Guangzhi Wang, Hehe Fan, Mohan Kankanhalli</i>	
UCoL: Unsupervised Learning of Discriminative Facial Representations via Uncertainty-Aware Contrast.....	2510
<i>Hao Wang, Min Li, Yangyang Song, Youjian Zhang, Liying Chi</i>	
Calibrated Teacher for Sparsely Annotated Object Detection.....	2519
<i>Haohan Wang, Liang Liu, Boshen Zhang, Jiangning Zhang, Wuhaio Zhang, Zhenye Gan, Yabiao Wang, Chengjie Wang, Haoqian Wang</i>	
Towards Real-Time Panoptic Narrative Grounding by an End-to-End Grounding Network.....	2528
<i>Haowei Wang, Jiayi Ji, Yiyi Zhou, Yongjian Wu, Xiaoshuai Sun</i>	
LeNo: Adversarial Robust Salient Object Detection Networks with Learnable Noise.....	2537
<i>He Wang, Lin Wan, He Tang</i>	
Defending Black-Box Skeleton-Based Human Activity Classifiers.....	2546
<i>He Wang, Yunfeng Diao, Zichang Tan, Guodong Guo</i>	
Exploring CLIP for Assessing the Look and Feel of Images.....	2555
<i>Jianyi Wang, Kelvin C.K. Chan, Chen Change Loy</i>	
Robust Video Portrait Reenactment via Personalized Representation Quantization.....	2564
<i>Kaisiyuan Wang, Changcheng Liang, Hang Zhou, Jiaxiang Tang, Qianyi Wu, Dongliang He, Zhibin Hong, Jingtuo Liu, Errui Ding, Ziwei Liu, Jingdong Wang</i>	
De-biased Teacher: Rethinking IoU Matching for Semi-supervised Object Detection.....	2573
<i>Kuo Wang, Jingyu Zhuang, Guanbin Li, Chaowei Fang, Lechao Cheng, Liang Lin, Fan Zhou</i>	
Learning to Generate an Unbiased Scene Graph by Using Attribute-Guided Predicate Features.....	2581
<i>Lei Wang, Zejian Yuan, Badong Chen</i>	
Alignment-Enriched Tuning for Patch-Level Pre-trained Document Image Models.....	2590
<i>Lei Wang, Jiabang He, Xing Xu, Ning Liu, Hui Liu</i>	
Flora: Dual-Frequency L ₀ -Compensated Real-Time Monocular 3D Video Reconstruction.....	2599
<i>Likang Wang, Yue Gong, Qirui Wang, Kaixuan Zhou, Lei Chen</i>	
Efficient Image Captioning for Edge Devices.....	2608
<i>Ning Wang, Jiangrong Xie, Hang Luo, Qinglin Cheng, Jihao Wu, Mingbo Jia, Linlin Li</i>	

Controllable Image Captioning via Prompting.....	2617
<i>Ning Wang, Jiahao Xie, Jihao Wu, Mingbo Jia, Linlin Li</i>	
ECO-3D: Equivariant Contrastive Learning for Pre-training on Perturbed 3D Point Cloud.....	2626
<i>Ruibin Wang, Xianghua Ying, Bowei Xing, Jinfa Yang</i>	
Global-Local Characteristic Excited Cross-Modal Attacks from Images to Videos.....	2635
<i>Ruikui Wang, Yuanfang Guo, Yunhong Wang</i>	
Fine-Grained Retrieval Prompt Tuning	2644
<i>Shijie Wang, Jianlong Chang, Zhihui Wang, Haojie Li, Wanli Ouyang, Qi Tian</i>	

Author Index