

**Monday, 20th November 2023**

When?	Where?	What's on?	
08:00 to 09:45	P&J Live Main Foyer	Registration	
09:45 to 10:00	Conference Suite 2	Welcome	
10:00 to 11:00	Conference Suite 2	Keynote: Faces, Avatars, and GenAI	Speaker: Maja Pantic
11:00 to 11:45	Conference Suite 1	Tea Break	
11:45 to 13:00	Conference Suite 2	Architectures and Techniques I	Session Chair: M S Mekala

	Paper ID	Title	Author(s)
1	11:45 871	On the Lipschitz Constant of Deep Networks and Double Descent	Matteo Gamba (KTH)*; Hossein Azizpour (KTH (Royal Institute of Technology)); Marten Bjorkman (KTH)
2	12:00 265	A Multi-step Fusion Network Based on Environmental Knowledge Graph for Camouflaged Object Detection	Zheng Wang (Tianjin University)*; Wenjun Huang (Tianjin University); Ruoxun Su (Tianjin University); Xinyu Yan (Tianjin University); Meijun Sun (Tianjin University)
3	12:15 437	Maturity-Aware Active Learning for Semantic Segmentation with Hierarchically-Adaptive Sample Assessment	Amirsaeed Yazdani (Pennsylvania State University)*; Xuelu Li (Amazon); Vishal Monga (The Pennsylvania State University)
4	12:30 912	Group Orthogonalization Regularization for Vision Models Adaptation and Robustness	Yoav Kurtz (Tel Aviv University); Noga Bar (Tel Aviv University); Raja Giryes (Tel Aviv University)*
5	12:45 276	Attentive Contractive Flow with Lipschitz Constrained Self-Attention	Avideep Mukherjee (Indian Institute of Technology Kanpur)*; Badri N Patro (KU Leuven); Vinay Namboodiri (University of Bath)

13:00 to 14:00	Conference Suite 1	Lunch	
14:00 to 15:15	Conference Suite 2	Architectures and Techniques II	Session Chair: Binod Bhattarai

	Paper ID	Title	Author(s)
6	14:00 497	EDeNN: Event Decay Neural Networks for low latency vision	Celyn Walters (University of Surrey); Simon Hadfield (University of Surrey)*
7	14:15 669	SRBGCN: Tangent space-Free Lorentz Transformations for Graph Feature Learning	Abdelrahman Mostafa (University of Oulu)*; Wei Peng (Stanford University); Guoying Zhao (University of Oulu)
8	14:30 601	Overcoming Degradation Imbalance for Consistent Image Dehazing	Pranjoy Shyam (Faurecia IRYStec)*; Hyunjin Yoo (Faurecia IRYStec)
9	14:45 829	PseudoCal: Towards Initialisation-Free Deep Learning-Based Camera-LiDAR Self-Calibration	Mathieu Cochetoux (Université de Technologie de Compiègne)*; Franck Davoine (Heudiasyc - CNRS - Université de technologie de Compiègne); Julien Moreau (UTC, Heudiasyc-SyRI)
10	15:00 721	Convolution kernel adaptation to calibrated fisheye	Bruno Berenguel-Baeta (Universidad de Zaragoza)*; Maria Santos-Villafranca (Universidad de Zaragoza); Jesus Bermudez-Cameo (Universidad de Zaragoza); Alejandro Perez Yus (Universidad de Zaragoza); Josechu Guerrero (Universidad de Zaragoza)

15:15 to 15:45	Conference Suite 1	Tea Break	
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Monday, 20th November 2023

When? 15:45 to 16:45		Where? Conference Suite 2	What's on? 3D Analysis I		Session Chair: Stéphane Lathuilière
Paper ID			Title	Author(s)	
11	15:45	901	On-Site Adaptation for Monocular Depth Estimation with a Static Camera	Huan Li (Bologna University)*; Matteo Poggi (University of Bologna); Fabio Tosi (University of Bologna); Stefano Mattoccia (University of Bologna)	
12	16:00	823	Improved Photometric Stereo through Efficient and Differentiable Shadow Estimation	Po-Hung Yeh (National Taiwan University); Pei-Yuan Wu (National Taiwan University); Jun-Cheng Chen (Academia Sinica)*	
13	16:15	405	Breathing New Life into 3D Assets with Generative Repainting	Tianfu Wang (ETH Zurich); Menelaos Kanakis (ETH Zurich); Konrad Schindler (ETH Zurich); Luc Van Gool (ETH Zurich); Anton Obukhov (ETH Zurich)*	
14	16:30	14	A-Scan2BIM: Assistive Scan to Building Information Modeling	Weilian Song (Simon Fraser University)*; Jieliang Luo (Autodesk Research); Dale Zhao (Autodesk Research); Yan Fu (Autodesk Research); Chin-Yi Cheng (Google Research); Yasutaka Furukawa (Simon Fraser University)	
16:45 to 17:00		Conference Suite 1	Tea Break		
17:00 to 18:00		Conference Suite 2	3D Analysis II		Session Chair: Oscar Mendez
Paper ID			Title	Author(s)	
15	17:00	571	Exploiting Multiple Priors for Neural 3D Indoor Reconstruction	Federico Lincetto (University of Padova)*; Gianluca Agresti (Sony Europe B.V.); Mattia Rossi (SONY Europe B.V.); Pietro Zanuttigh (University of Padova)	
16	17:15	339	Structured Knowledge Distillation Towards Efficient Multi-View 3D Object Detection	Linfeng Zhang (Tsinghua University)*; Yukang Shi (Xi'an Jiaotong University); Ke Wang (UNC Chapel Hill); Zhipeng Zhang (DiDi); Hung-Shuo Tai (Didi Autonomous Drive); Yuan He (KargoBot); Kaisheng Ma (Tsinghua University)	
17	17:30	305	Learnable Geometry and Connectivity Modelling of BIM Objects	Haritha Jayasinghe (University of Cambridge)*; Ioannis Brilakis (University of Cambridge)	
18	17:45	438	Score-PA: Score-based 3D Part Assembly	Junfeng Cheng (Imperial College London); Mingdong Wu (Peking University); Ruiyuan Zhang (zhejiang university); Guanqi Zhan (University of Oxford); Chao Wu (Zhejiang University); Hao Dong (Peking University)*	
20:00		Town and County Hall Civic Room, Town House		Welcome Reception	



**Tuesday, 21st November 2023**

When?		Where?	What's on?	
08:00 to 09:45		P&J Live Main Foyer	Registration	
09:00 to 10:00		Conference Suite 2	<b>Keynote:</b> The Future of Recognition is 3D	<b>Speaker:</b> Georgia Gkioxari
10:00 to 11:00		Conference Suite 2	<b>Efficient and Scalable Vision</b>	<b>Session Chair:</b> Jinchang Ren
Paper ID		Title		Author(s)
19	10:00	187	Can Deep Networks be Highly Performant, Efficient and Robust simultaneously?	Madan Ravi Ganesh (BCA)*; Salimeh Yasaei Sekeh (University of Maine); Jason J Corso (University of Michigan)
20	10:15	290	Highly Efficient SNNs for High-speed Object Detection	Nemin Qiu (Beijing University of Posts and Telecommunications)*; zhiguo li (Peking University); Yuan Li (Peking University); Chuang Zhu (Beijing University of Posts and Telecommunications)
21	10:30	832	Feather: An Elegant Solution to Effective DNN Sparsification	Athanasios Glentis Georgoulakis (National Technical University of Athens)*; George Retsinas (National Technical University of Athens); Petros Maragos (National Technical University of Athens)
22	10:45	311	RepQ: Generalizing Quantization-Aware Training for Re-Parametrized Architectures	Anastasiia Prutianova (Huawei)*; Alexey Zaytsev (Skoltech); Chung-Kuei Lee (Huawei); Fengyu Sun (Huawei); Ivan Koryakovskiy (Huawei Technologies Co., Ltd.)
11:00 to 11:45		Conference Suite 1	Tea Break	
11:45 to 13:00		Conference Suite 2	<b>Explainable AI &amp; Representation Learning</b>	<b>Session Chair:</b> Bei Xiao
Paper ID		Title		Author(s)
23	11:45	53	Unsupervised Hashing with Similarity Distribution Calibration	Kam Woh Ng (University of Surrey)*; Xiatian Zhu (University of Surrey); Jiun Tian Hoe (Nanyang Technological University); Chee Seng Chan (University of Malaya); Tianyu Zhang (Geek Plus); Yi-Zhe Song (University of Surrey); Tao Xiang (University of Surrey)
24	12:00	70	Diversifying the High-level Features for better Adversarial Transferability	Zhiyuan Wang (Huazhong University of Science and Technology); Zeliang Zhang (University of Rochester); Siyuan Liang (Chinese Academy of Sciences); Xiaosen Wang (Huazhong University of Science and Technology)*
25	12:15	685	Protecting Publicly Available Data With Machine Learning Shortcuts	Nicolas M Müller (Fraunhofer AISEC)*; Maximilian Burgert (TU Munich); Pascal Debus (Fraunhofer AISEC); Jennifer Williams (University of Southampton); Philip Sperl (Fraunhofer AISEC); Konstantin Böttinger (Fraunhofer AISEC)
26	12:30	771	Vision Transformers are Inherently Saliency Learners	Yasser Abdelaziz DAHOU DJILALI (Dublin City UNIVERSITY)*; Kevin McGuinness (DCU); Noel O Connor (Home)
27	12:45	578	H-NeXt: The next step towards roto-translation invariant networks	Tomáš Karella (Institute of Information Theory and Automation, Czech Academy of Sciences)*; Filip Šroubek (Institute of Information Theory and Automation, Czech Academy of Sciences); Jan Blažek (Institute of Information Theory and Automation, Czech Academy of Sciences); Jan Flusser (UTIA, Czech Academy of Sciences); Václav Košík (UTIA, Czech Academy of Sciences)
13:00 to 14:00		Conference Suite 1	Lunch	
14:00 to 15:45		Conference Suite 1	Poster Session 1	
15:15 to 15:45		Conference Suite 1	Tea Break	

**Tuesday, 21st November 2023**

When? 15:45 to 16:45		Where? Conference Suite 2	What's on? Vision and language I		Session Chair: Silvia Cascianelli
Paper ID			Title	Author(s)	
28	15:45	45	A Critical Robustness Evaluation for Referring Expression Comprehension Methods	Zhipeng Zhang (Northwestern Polytechnical University); Zhimin Wei (Northwestern Polytechnical University); Peng Wang (Northwestern Polytechnical University)*	
29	16:00	377	Describe Your Facial Expressions by Linking Image Encoders and Large Language Models	Yujian Yuan (Institute of Computing Technology, Chinese Academy of Sciences; University of Chinese Academy of Sciences); Jiabei Zeng (Institute of Computing Technology, Chinese Academy of Sciences)*; Shiguang Shan (Institute of Computing Technology, Chinese Academy of Sciences)	
30	16:15	722	Spatio-Temporal Graph Diffusion for Text-Driven Human Motion Generation	Chang Liu (University of Trento)*; Mengyi Zhao (Beihang University); Bin Ren (University of Trento); Mengyuan Liu (Peking University, Shenzhen Graduate School); Nicu Sebe (University of Trento)	
31	16:30	366	Divide & Bind Your Attention for Improved Generative Semantic Nursing	Yumeng Li (Bosch Center for Artificial Intelligence)*; Margret Keuper (University of Siegen, Max Planck Institute for Informatics); Dan Zhang (Bosch Center for Artificial Intelligence); Anna Khoreva (Bosch Center for Artificial Intelligence)	
<b>16:45 to 17:00</b>		<b>Conference Suite 1</b>	<b>Tea Break</b>		
<b>17:00 to 18:00</b>		<b>Conference Suite 2</b>	<b>Vision and language II</b>		<b>Session Chair: Md Mostafa Kamal Sarker</b>
Paper ID			Title	Author(s)	
32	17:00	748	Multi-CLIP: Contrastive Vision-Language Pre-training for Question Answering tasks in 3D Scenes	Maria Parelli (ETH Zurich); Alexandros Delitzas (ETH Zurich)*; Nikolas Hars (ETH Zurich); Georgios Vlassis (ETH Zurich); Sotirios-Konstantinos Anagnostidis (ETH Zurich); Gregor Bachmann (ETH Zurich); Thomas Hofmann (ETH Zurich)	
33	17:15	670	DisCLIP: Open-Vocabulary Referring Expression Generation	Lior Bracha (Bar Ilan University)*; Eitan Shaar (bar Ilan University); Aviv Shamsian (Bar Ilan University); Ethan Fetaya (Bar Ilan University); Gal Chechik (NVIDIA)	
34	17:30	581	Video-adverb retrieval with compositional adverb-action embeddings	Thomas Hummel (University of Tübingen)*; A. Sophia Koepke (University of Tübingen); Otniel-Bogdan Mercea (University of Tübingen); Zeynep Akata (University of Tübingen)	
35	17:45	429	Zero-Shot Video Captioning by Evolving Pseudo-tokens	Yoad Tewel (Tel-Aviv University)*; Yoav Shalev (Tel Aviv University); Roy Nadler (Tel Aviv University); Idan Schwartz (Technion); Lior Wolf (Tel Aviv University, Israel)	

Wednesday, 22nd November 2023

When?				Where?		What's on?	
08:00 to 09:45				P&J Live Main Foyer		Registration	
09:00 to 10:00				Conference Suite 2		Keynote: How I Learned to Love Plants	Speaker: Michael Pound
10:00 to 11:00				Conference Suite 2		Action and Event Understanding	Session Chair: Hazel Doughty
Paper ID				Title		Author(s)	
36	10:00	114		Attributes-Aware Network for Temporal Action Detection		Rui Dai (INRIA)*; Srijan Das (University of North Carolina at Charlotte); Michael S Ryoo (Stony Brook/Google); Francois Bremond (Inria Sophia Antipolis, France)	
37	10:15	179		Boost Video Frame Interpolation via Motion Adaptation		Haoning Wu (Shanghai Jiao Tong University); Xiaoyun Zhang (Shanghai Jiao Tong University)*; Weidi Xie (Shanghai Jiao Tong University); Ya Zhang (Cooperative Medianet Innovation Center, Shanghai Jiao Tong University); Yan-Feng Wang (Cooperative medianet innovation center of Shanghai Jiao Tong University)	
38	10:30	589		Staged Contact-Aware Global Human Motion Forecasting		Luca Scofano (Sapienza University of Rome); Alessio Sampieri (Sapienza University)*; Elisabeth Schiele (Technische Universität München); Edoardo De Matteis (Sapienza University of Rome); Laura Leal-Taixé (NVIDIA); Fabio Galasso (Sapienza University)	
39	10:45	317		Spherical Vision Transformer for 360° Video Saliency Prediction		Mert Cokelek (Koç University)*; Nevrez Imamoglu (AIST); Cagri Ozcinar (Samsung); Erkut Erdem (Hacettepe University); Aykut Erdem (Koc University)	
11:00 to 11:45				Conference Suite 1		Tea Break	
11:45 to 13:00				Conference Suite 2		Recognition/Identification/Detection	Session Chair: Zhixiang Chen
Paper ID				Title		Author(s)	
40	11:45	402		Revisiting the Encoding of Satellite Image Time Series		Xin Cai (Ulster University)*; Yaxin Bi (Ulster University); Peter Nicholl (Ulster University); Roy Sterritt (Ulster University)	
41	12:00	10		Improving Out-of-Distribution Detection Performance using Synthetic Outlier Exposure Generated by Visual Foundation Models		Gitaek Kwon (VUNO Inc.); Jaeyoung Kim (VUNO Inc.)*; Hong-Jun Choi (VUNO Inc.); Byung-Moo Yoon (Gachon University); Sungchul Choi (Pukyong National University); Kyu-Hwan Jung (Sungkyunkwan University)	
42	12:15	82		Object-Centric Multi-Task Learning for Human Instances		Hyeongseok Son (Samsung Advanced Institute of Technology)*; Sangil Jung (Samsung); Solae Lee (Samsung Advanced Institute of Technology); Seongeun Kim (Samsung); Seung-In Park (SAIT); ByungIn Yoo (Samsung Advanced Institute of Technology)	
43	12:30	197		Domain-Sum Feature Transformation For Multi-Target Domain Adaptation		Takumi Kobayashi (National Institute of Advanced Industrial Science and Technology)*; Lincon Souza (National Institute of Advanced Industrial Science and Technology (AIST)); Kazuhiro Fukui (University of Tsukuba)	
44	12:45	192		MILA: Memory-Based Instance-Level Adaptation for Cross-Domain Object Detection		Onkar Krishna (Hitachi Ltd.)*; Hiroki Ohashi (Hitachi Ltd); Saptarshi Sinha (University of Bristol)	
13:00 to 14:00				Conference Suite 1		Lunch	
13:30 to 15:30				Conference Suite 1		Posters Session 2	
15:00 to 15:30				Conference Suite 1		Tea Break	

**Wednesday, 22nd November 2023**

15:30 to 17:15			Conference Suite 2	Medical and Biological Vision	Session Chairs: Edmond Ho & Tryphon Lambrou
	Paper ID			Title	Author(s)
45	15:30	45		Learning Anatomically Consistent Embedding for Chest Radiography	Ziyu Zhou (Shanghai Jiao Tong University); Haozhe Luo ( Arizona State University, USA ); Jiaxuan Pang (Arizona State University); xiaowei ding (Shanghai Jiao Tong University); Michael Gotway (Mayo Clinic); Jianming Liang (Arizona State University, USA) *
46	15:45	377		Single-Landmark vs. Multi-Landmark Deep Learning Approaches to Brain MRI Landmarking: a Case Study with Healthy Controls and Down Syndrome Individuals	Jordi Malé (La Salle - Ramon Llull University)*; Yann Heuzé (CNRS, Univ. Bordeaux, MC, PACEA, UMR5199); Juan Fortea (Hospital of Sant Pau); Neus Martinez Abadias (Universitat de Barcelona); Xavier Sevillano (La Salle - Universitat Ramon Llull)
47	16:00	722		BiUNet: Towards More Effective UNet with Bi-Level Routing Attention	Kun Dong (University of Chinese Academy of Sciences); Jian Xue (University of Chinese Academy of Sciences); Xing Lan (University of Chinese Academy of Sciences); Ke Lu (University of Chinese Academy of Sciences) *
48	16:15	366		Dual-Query Multiple Instance Learning for Dynamic Meta-Embedding based Tumor Classification	Simon Holdenried-Krafft (University of Tübingen)*; Peter Somers (University of Tübingen); Ivonne Montes-Mojarro (University Hospital of Tübingen); Diana Silimon (University Hospital of Tübingen); Cristina Tarin (University of Stuttgart); Falko Fend (University Hospital of Tübingen); Hendrik P. A. Lensch (University of Tübingen)
49	16:30	806		Adaptation of Distinct Semantics for Uncertain Areas in Polyp Segmentation	Quang Vinh Nguyen (Chonnam National University)*; Van Thong Huynh (Chonnam National University); Soo-Hyung Kim (Chonnam National University)
50	16:45	670		Primitive Geometry Segment Pre-training for 3D Medical Image Segmentation	Ryu Tadokoro (Tohoku University)*; Ryosuke Yamada (University of Tsukuba, National Institute of Advanced Industrial Science and Technology (AIST)); Kodai Nakashima (CyberAgent, Univ. of Tsukuba, AIST); Ryo Nakamura (Fukuoka University, National Institute of Advanced Industrial Science and Technology (AIST)); Hirokatsu Kataoka (National Institute of Advanced Industrial Science and Technology (AIST))
51	17:00	581		Rethinking Transfer Learning for Medical Image Classification	Le Peng (University of Minnesota)*; Hengyue Liang (University of Minnesota); Gaoxiang Luo (University of Minnesota); Taihui Li (University of Minnesota); Ju Sun (University of Minnesota)
52	17:15	429		SA2-Net: Scale-aware Attention Network for Cell Segmentation and Beyond	Mustansar Fiaz (MBZUAI)*; Moein Heidari (Iran University of Science and Technology); Rao Muhammad Anwer (MBZUAI/AALTO); Hisham Cholakkal (MBZUAI)

**20:00 to 01:00**
**Conference Suite 1 (P&J Live)**
**Gala Dinner & Prize Giving**
**Workshops**
**When?**
**13:00 to 17:30**
**Where?**

P&amp;J (Main Conference Centre), Meeting Room 2

**Title**

Doctoral Consortium

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Thursday, 23rd November 2023

When?	Where?	What's on?
08:00 to 09:45	P&J Live Main Foyer	Registration
09:00 to 10:00	Conference Suite 3	<b>Keynote:</b> Self-supervised Learning for 3D Computer Vision <b>Speaker:</b> Daniel Cremers
10:00 to 11:00	Conference Suite 3	<b>Human/Object Pose Estimation</b> <b>Session Chair:</b> Jefersson Alex dos Santos

	Paper ID	Title	Author(s)
53	10:00 193	Functional Hand Type Prior for 3D Hand Pose Estimation and Action Recognition from Egocentric View Monocular Videos	Wonseok Roh (Korea University); Seung Hyun Lee (Korea University); Won Jeong Ryoo (Korea University); Gyeongrok Oh (Korea University); Jakyung Lee (Korea University); Sooyeon Hwang (Korea University Sejong); Hyung-gun Chi (Purdue University); Sangpil Kim (Korea University)*
54	10:15 609	Cross-attention Masked Auto-Encoder for Human 3D Motion Infilling and Denoising	David Björkstrand (KTH Royal Institute of Technology / Tracab)*; Josephine Sullivan (KTH Royal Institute of Technology); Lars M C Bretzner (Tracab AB); Gareth Loy (TRACAB); Tiesheng Wang (Tracab)
55	10:30 167	Efficient Vision Transformer for Human Pose Estimation via Patch Selection	Kaleab A Kinfu (Johns Hopkins University)*; Rene Vidal (Johns Hopkins University, USA)
56	10:45 543	Robust and Efficient Edge-guided Pose Estimation with Resolution-conditioned NeRF	Liesbeth Claessens (ETH Zurich)*; Fabian Manhardt (Google); Ricardo Martin-Brualla (Google); Roland Siegwart (ETH Zürich, Autonomous Systems Lab); Cesar Cadena Lerma (ETH Zurich); Federico Tombari (Google)

11:00 to 11:45	Conference Suite 1	Tea Break
11:45 to 13:00	Conference Suite 3	<b>Transfer, Low-shot Learning &amp; Segmentation</b> <b>Session Chair:</b> Georgios Leontidis

	Paper ID	Title	Author(s)
57	11:45 329	Maskomaly: Zero-Shot Mask Anomaly Segmentation	Jan Ackermann (ETH Zurich)*; Christos Sakaridis (ETH Zurich); Fisher Yu (ETH Zurich)
58	12:00 606	STARS: Zero-shot Sim-to-Real Transfer for Segmentation of Shipwrecks in Sonar Imagery	Advaith V Sethuraman (University of Michigan)*; Katherine A Skinner (University of Michigan)
59	12:15 544	Re-Degradation and Contrastive Learning for Zero-shot Underwater Image Restoration	Nisha Varghese (IIT Madras)*; Rajagopalan N Ambasamudram (Indian Institute of Technology Madras)
60	12:30 566	Polarimetric Imaging for Perception	Michael Baltaxe (General Motors)*; Tomer Pe'er (General Motors); Dan Levi (General Motors)
61	12:45 95	SketchDreamer: Interactive Text-Augmented Creative Sketch Ideation	Zhiyu Qu (University of Surrey)*; Tao Xiang (University of Surrey); Yi-Zhe Song (University of Surrey)

13:00 to 14:00	Conference Suite 1	Lunch
14:00 to 15:45	Conference Suite 1	Poster Session 3
15:15 to 17:15	Conference Suite 1	Tea Break



Thursday, 23rd November 2023

15:45 to 16:45			Conference Suite 3	Faces and Gestures	Session Chair: Pam Johnston
	Paper ID			Title	Author(s)
62	15:45	535		Security Analysis on Locality-Sensitive Hashing-based Biometric Template Protection Schemes	Seunghun Paik (Hanyang University); Sunpill Kim (Hanyang University); Jae Hong Seo (Hanyang university)*
63	16:00	506		Gesture-Sync: determining who is speaking without a talking head	Sindhu B Hegde (University of Oxford)*; Andrew Zisserman (University of Oxford)
64	16:15	282		SlackedFace: Learning a Slacked Margin for Low-Resolution Face Recognition	Cheng Yaw Low (Institute for Basic Science)*; Jacky Chen Long Chai (Yonsei University); Jaewoo Park (Yonsei University); KYEONGJIN ANN (KAIST); Meeyoung Cha (KAIST & IBS)
65	16:30	598		Unsupervised Landmark Discovery Using Consistency-Guided Bottleneck	Mamona Awan (MBZU); Muhammad Haris Khan (Muhammad Bin Zayed University of Artificial Intelligence)*; Sanoojan Baliah (Mohamed Bin Zayed University of Artificial Intelligence); Muhammad Ahmad Waseem (Information Technology University); Salman Khan (MBZUAI); Fahad Shahbaz Khan (MBZUAI); Arif Mahmood (Information Technology University)
66	16:45	105		High-Fidelity Eye Animatable Neural Radiance Fields for Human Face	Hengfei Wang (University of Birmingham); Zhongqun Zhang (University of Birmingham); Yihua Cheng (University of Birmingham)*; Hyung Jin Chang (University of Birmingham)
67	17:00	216		READ Avatars: Realistic Emotion-controllable Audio Driven Avatars	Jack Saunders (University of Bath)*; Vinay Namboodiri (University of Bath)

17:15 to 17:30

Conference Suite 3

Closing Ceremony

## Workshops

When?

14:00 to 17:30

Where?

P&J (Main Conference Centre), Meeting Room 8

Title

Computer Vision for Games and Games for Computer Vision (CVG)

<https://cvg2023.institutedigitalgames.com/>

14:00 to 17:30

P&J (Main Conference Centre), Meeting Room 9

The Third Workshop on Computational Aspects of Deep Learning (CADL 2023)

<https://ailb-web.ing.unimore.it/cadl2023/>

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**Friday, 24th November 2023**

When?	Where?	Title	
08:00 to 18:00	Robert Gordon University, Sir Ian Wood Building, Garthdee Campus	Project Aria for All-Day Egocentric Research	<a href="https://www.projectaria.com/events/bmvc2023">https://www.projectaria.com/events/bmvc2023</a>
08:00 to 18:00	Robert Gordon University, Sir Ian Wood Building, Garthdee Campus	The 1st Workshop in Video Understanding and its Applications (VUA)	<a href="https://vua-bmvc.github.io/">https://vua-bmvc.github.io/</a>
08:00 to 18:00	National Subsea Centre, 3 International Ave, Dyce	Workshop on Machine Vision for Earth Observation and Environment Monitoring (MVEO)	<a href="https://mveo.github.io/">https://mveo.github.io/</a>
08:00 to 18:00	King's College, University of Aberdeen	Artificial Intelligence and Computer Vision for Neurodegenerative Diseases Assessment: Advancing Computer Science in Dementia and Neurodegenerative Disorders (AI CV for NDS)	<a href="https://sites.google.com/view/ai-cv-for-nds">https://sites.google.com/view/ai-cv-for-nds</a>

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**Poster Session 1 - Tuesday, 21st November 2023**

	Paper ID	Title	Authors
1	194	mmPoint: Dense Human Point Cloud Generation from mmWave	Qian Xie (University of Oxford)*; Qianyi Deng (University of Oxford); Ta-Ying Cheng (University of Oxford); Peijun Zhao (Massachusetts Institute of Technology); Amir Patel (University of Cape Town); Niki Trigoni (University of Oxford); Andrew Markham (University of Oxford)
2	356	Lightweight Self-Supervised Depth Estimation with few-beams LIDAR Data	Rizhao Fan (University of Bologna)*; Fabio Tosi (University of Bologna); Matteo Poggi (University of Bologna); Stefano Mattoccia (University of Bologna)
3	174	Sparse Multi-Object Render-and-Compare	Florian Maximilian Langer (Department of Engineering, University of Cambridge)*; Ignas Budvytis (Department of Engineering, University of Cambridge); Roberto Cipolla (University of Cambridge)
4	90	Floorplan Restoration by Structure Hallucinating Transformer Cascades	Sepidehsadat Hosseini (Simon Fraser University)*; Yasutaka Furukawa (Simon Fraser University)
5	89	Strong Stereo Features for Self-Supervised Practical Stereo Matching	Pierre-André Brousseau (Université de Montréal)*; Sebastien Roy (Universite de Montreal)
6	501	Temporal Lidar Depth Completion	Pietari Kaskela (NVIDIA)*; Philipp Fischer (NVIDIA); Timo Roman (NVIDIA)
7	15	The Interstate-24 3D Dataset: a new benchmark for 3D multi-camera vehicle tracking	Derek Gloudemans (Vanderbilt University)*; Daniel Work (Vanderbilt University); Yanbing Wang (Vanderbilt University); Gracie E Gumm (Vanderbilt University); William Barbour (Vanderbilt University)
8	448	Optimal Camera Configuration for Large-Scale Motion Capture Systems	Xiongming Dai (louisiana state university)*; Gerald Baumgartner (Louisiana State University)
9	682	ManifoldNeRF: View-dependent Image Feature Supervision for Few-shot Neural Radiance Fields	Daiju Kanaoka (Kyushu Institute of Technology)*; Motoharu Sonogashira (RIKEN); Hakaru Tamukoh (Kyushu Institute of Technology); Yasutomo Kawanishi (RIKEN)
10	741	Motion-Bias-Free Feature-Based SLAM	Alejandro Fontan (Queensland University of Technology)*; Michael Milford (ACRV and QUT, Australia); Javier Civera (Universidad de Zaragoza)
11	825	RoomNeRF: Representing Empty Room as Neural Radiance Fields for View Synthesis	Mangyu Kong (Yonsei University)*; Seongwon Lee (Yonsei university); Euntai Kim (Yonsei University)
12	304	Learning Part Motion of Articulated Objects Using Spatially Continuous Neural Implicit Representations	Yushi Du (Peking University)*; Ruihai Wu (Peking University); Yan Shen (Peking University); Hao Dong (Peking University)

## Poster Session 1 - Tuesday, 21st November 2023

	Paper ID	Title	Authors
13	231	Propose-and-Complete: Auto-regressive Semantic Group Generation for Personalized Scene Synthesis	Shoulong Zhang (Beihang University); Shuai Li (BeihangUniversity); Xinwei Huang (Beihang University); Wenchong Xu (Beihang University); Aimin Hao (BeihangUniversity); HONG QIN (Stony Brook University)*
14	306	Point Cloud Sampling Preserving Local Geometry for Surface Reconstruction	Kohei Matsuzaki (KDDI Research, Inc.); Keisuke Nonaka (KDDI Research, Inc.)
15	417	Deformation-Guided Unsupervised Non-Rigid Shape Matching	Aymen Merrouche (INRIA)*; Joao Pedro Cova Regateiro (Interdigital); Stefanie Wuhrer (Inria); Edmond Boyer (Inria)
16	820	Proposal-based Temporal Action Localization with Point-level Supervision	Yuan Yin (Institute of Industrial Science, The University of Tokyo)*; Yifei Huang (The University of Tokyo); Ryosuke Furuta (The University of Tokyo); Yoichi Sato (University of Tokyo)
17	335	Supervised Contrastive Learning with Identity-Label Embeddings for Facial Action Unit Recognition	Tangzheng Lian (Nottingham Trent Univeristy); David A Adama (Nottingham Trent University); Pedro Machado (Nottingham Trent University); Doratha E Vinkemeier (NTU)*
18	332	Learning Temporal Sentence Grounding From Narrated EgoVideos	Kevin Flanagan (University of Bristol)*; Dima Damen (University of Bristol); Michael Wray (University of Bristol)
19	739	Robust Principles: Architectural Design Principles for Adversarially Robust CNNs	ShengYun Peng (Georgia Institute of Technology)*; Weilin Xu (Intel); Cory Cornelius (Intel Corporation); Matthew Hull (Georgia Institute of Technology); Kevin Li (Georgia Institute of Technology); Rahul Duggal (Georgia Tech); Mansi Phute (Georgia Institute of Technology); Jason Martin (Intel Corporation); Duen Horng Chau (Georgia Institute of Technology)
20	172	Backdoor Attack on Hash-based Image Retrieval via Clean-label Data Poisoning	Kuofeng Gao (Tsinghua University)*; Jiawang Bai (Tsinghua University); Bin Chen (Harbin Institute of Technology, Shenzhen); Dongxian Wu (the University of Tokyo); Shu-Tao Xia (Tsinghua University)
21	406	Exploring Non-additive Randomness on ViT against Query-Based Black-Box Attacks	Jindong Gu (University of Oxford)*; Fangyun Wei (Microsoft Research Asia); Philip Torr (University of Oxford); Han Hu (Microsoft Research Asia)
22	271	Semantic Adversarial Attacks via Diffusion Models	Chenan Wang (Drexel University)*; Jinhao Duan (Drexel University); Chaowei Xiao (ASU); Edward Kim (Drexel University); Matthew c Stamm (Drexel University); Kaidi Xu (Drexel University)
23	296	RBFormer: Robust Bias Can Improve the Adversarial Robust of Transformer-based Structure	Hao Cheng (The Hong Kong University of Science and Technology(Guangzhou))*; Jinhao Duan (Drexel University); Hui Li (Samsung Research and Development Institute China Xi'an); Lyutianyang Zhang (University of Washington); Jiahang Cao (The Hong Kong University of Science and Technology (Guangzhou)); Ping Wang (Xi'an Jiaotong University); Jize Zhang (HKUST); Kaidi Xu (Drexel University); Renjing Xu (The Hong Kong University of Science and Technology (Guangzhou))
24	486	ADoPT: LiDAR Spoofing Attack Detection based on Point-Level Temporal Consistency	Minkyong Cho (University of Michigan)*; Yulong Cao (Nvidia); Zixiang Zhou (University of Michigan); Zhuoqing Morley Mao (University of Michigan)

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26	781	Adaptive Adversarial Norm Space for Efficient Adversarial Training	Hui Kuurila-Zhang (University of Oulu)*; Haoyu Chen (University of Oulu); Guoying Zhao (University of Oulu)
27	382	Fully Quantum Auto-Encoding of 3D Shapes	Lakshika Rathi (Indian Institute of Technology Delhi); Edith Treitschk (Max-Planck-Institut für Informatik)*; Christian Theobalt (MPI Informatik); Rishabh Dabral (IIT Bombay); Vladislav Golyanik (MPI for Informatics)
28	677	MFSC: Matching by Few-Shot Classification	Daniel Shalam (University of Haifa); Elie Abboud (University of Haifa); Roei Litman (-); Simon Korman (University of Haifa)*
29	822	Differentiable SLAM Helps Deep Learning-based LiDAR Perception Tasks	Prashant Kumar (Indian Institute of Technology, Delhi)*; Dheeraj Vattikonda (McGill University); Vedang Bhupesh Shenvi Nadkarni (Birla Institute of Technology and Science, Pilani); Erqun Dong (McGill University); Sabyasachi Sahoo (Université Laval, Mila)
30	643	Color Constancy: How to Deal with Camera Bias?	Yi-Tun Lin (University of East Anglia)*; Bianjiang Yang (Purdue University); Hao Xie (Meta Platforms, Inc.); Wenbin Wang (Meta); Honghong Peng (Meta); JUN HU (Apple Inc)
31	348	RGB and LUT based Cross Attention Network for Image Enhancement	Tengfei Shi (Beihang University); Chenglizhao Chen (China University of Petroleum (East China))*; Yuanbo He (State Key Laboratory of Virtual Reality Technology and Systems, Beihang University); wenfeng song (Beijing Information Science and Technology University); Aimin Hao (BeihangUniversity)
32	315	Generalized Imaging Augmentation via Linear Optimization of Neurons	Daoyu Li (Beijing Institute of Technology); Lu Li (Beijing Institute of Technology); Bin Li (Beijing University of Posts and Telecommunications); Liheng Bian (Beijing Institute of Technology)*
33	765	Reconstructing Synthetic Lensless Images in the Low-Data Regime	Abeer Banerjee (CSIR-CEERI)*; Himanshu Kumar (CSIR-CEERI); Sumeet Saurav (CSIR-CEERI); Sanjay Singh (CSIR-CEERI, Pilani )
34	286	Lightweight Image Super-Resolution with Scale-wise Network	Xiaole Zhao (School of Computing and Artificial Intelligence, Southwest Jiaotong University); Xinkun Wu (School of Computing and Artificial Intelligence, Southwest Jiaotong University)*
35	540	Sketch-based Video Object Segmentation: Benchmark and Analysis	Ruolin Yang (Beijing University of Posts and Telecommunications)*; Da Li (Samsung); Conghui Hu (National University of Singapore); Timothy Hospedales (Edinburgh University); Honggang Zhang (Beijing University of Posts and Telecommunications); Yi-Zhe Song (University of Surrey)
36	870	Data exploitation: multi-task learning of object detection and semantic segmentation on partially annotated data	Hoàng-Ân Lê (IRISA, University of South Brittany)*; Minh-Tan Pham (IRISA-UBS)

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38	127	SynthBlink and BlinkFormer: A Synthetic Dataset and Transformer-Based Method for Video Blink Detection	Bo Liu (Beihang University); Yang Xu (Beihang University); Feng Lu (Beihang University)*
39	743	A Comprehensive Crossroad Camera Dataset to Improve Traffic Safety of Mobility Aid Users	Ludwig Mohr (Institute of Computer Graphics and Vision, Graz University of Technology)*; Nadezda Kirillova (Graz University of Technology); Horst Possegger (Graz University of Technology); Horst Bischof (Graz University of Technology)
40	752	Learnable Data Augmentation for One-Shot Unsupervised Domain Adaptation	Julio Ivan Davila Carrazco (Istituto Italiano di Tecnologia)*; Pietro Morerio (Istituto Italiano di Tecnologia); Alessio Del Bue (Istituto Italiano di Tecnologia (IIT)); Vittorio Murino (Istituto Italiano di Tecnologia)
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44	237	Spatio-Temporal MLP-Graph Network for 3D Human Pose Estimation	Md. Tanvir Hassan (Concordia University); Abdessamad Ben Hamza (Concordia University)*
45	360	FLRKD: Relational Knowledge Distillation Based on Channel-wise Feature Quality Assessment	Zeyu An (University of Electronic Science and Technology of China)*; Changjian Deng (University of Electronic Science and Technology of China); Wanli Dang (University of Electronic Science and Technology of China;The Second Research Institute of the Civil Aviation Administration of China); Zhicheng Dong (Tibet university); Jian Cheng (University of Electronic Science and Technology of China)
46	792	Budding Ensemble Architecture: Revisiting anchor-based object detection DNN	Qutub Syed (INTEL LABS)*; Neslihan Kose Cihangir (Intel Deutschland GmbH); Rafael Rosales (Intel); Michael Paulitsch (Intel); Korbinian Hagn (Intel); Florian R Geissler (Intel); Yang Peng (Intel); Gereon Hinz (STTech GmbH); Alois C. Knoll (Robotics and Embedded Systems)
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48	911	Masked Attention ConvNeXt Unet with Multi-Synthetic Dynamic Weighting for Anomaly Detection and Localization	SHIH CHIH LIN (National Tsing Hua University)*; Ho Weng Lee (National Tsing Hua University); Yu-Shuan Hsieh (National Tsing Hua University); Cheng Yu Ho (National Tsing Hua University); Shang-Hong Lai (National Tsing Hua University)

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50	514	DFFG: Fast Gradient Iteration for Data-free Quantization	huixing leng (Beihang University); shuangkang fang (megvii,buaa); Yufeng Wang (Beihang University)*; Zehao ZHANG (beihang university); Qi Dacheng (Beijing Jiaotong University); Wenrui Ding (Beihang University)
51	522	Train ViT on Small Dataset With Translation Perceptibility	CHEN HUAN (Institute of Computing Technology)*; Ping Yao (Institute of Computing Technology, Chinese Academy of Sciences ); WENTAO WEI (Southeast University)
52	665	Distillation for High-Quality Knowledge Extraction via Explainable Oracle Approach	MyungHak Lee (Kookmin University)*; Wooseong Syz Cho (Kookmin University); Sungsik Kim (Kookmin University); Jinkyu Kim (Korea University); Jaekoo Lee (Kookmin University)
53	846	Topology-Preserving Hard Pixel Mining for Tubular Structure Segmentation	Guoqing Zhang (Tsinghua-Berkeley Shenzhen Institute, Tsinghua University)*; Caixia Dong (The Second Affiliated Hospital of Xi'an Jiaotong University); Yang Li (Tsinghua-Berkeley Shenzhen Institute, Tsinghua University)
54	854	A Forward-backward Learning strategy for CNNs via Separation Index Maximizing at the First Convolutional Layer	Ali Karimi (University of Tehran); Ahmad Kalhor (University of Tehran)*; Mona Ahmadian (University of Surrey)
55	214	Understanding Gaussian Attention Bias of Vision Transformers Using Effective Receptive Fields	Bum Jun Kim (POSTECH); Hyeyeon Choi (POSTECH); Hyeonah Jang (POSTECH); Sang Woo Kim (POSTECH)*
56	295	LOCATE: Self-supervised Object Discovery via Flow-guided Graph-cut and Bootstrapped Self-training	Silky Singh (Adobe Systems)*; Shripad V Deshmukh (Adobe); Mausoom Sarkar (Adobe); Balaji Krishnamurthy ()
57	562	Fiducial Focus Augmentation for Facial Landmark Detection	Purbayan Kar (Sony Research India); Vishal M Chudasama (Sony Research India); Naoyuki Onoe (Sony); Pankaj Wasnik (Sony Research India)*; Vineeth Balasubramanian (Indian Institute of Technology Hyderabad)
58	268	Lips-SpecFormer: Non-Linear Interpolable Transformer for Spectral Reconstruction using Adjacent Channel Coupling	Abhishek Kumar Sinha (Indian Space Research Organization)*; Manthira Moorthi S (ISRO)
59	521	Selective Scene Text Removal	Hayato Mitani (Kyushu University)*; Akisato Kimura (NTT Corporation); Seichi Uchida (Kyushu University)
60	7	HWD: A Novel Evaluation Score for Styled Handwritten Text Generation	Vittorio Pippi (University of Modena and Reggio Emilia)*; Fabio Quattrini (University of Modena and Reggio Emilia); Silvia Cascianelli (Università di Modena e Reggio Emilia); Rita Cucchiara (Università di Modena e Reggio Emilia)

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62	345	Region-aware Knowledge Distillation for Efficient Image-to-Image Translation	Linfeng Zhang (Tsinghua University )*; Xin Chen (Intel Corp.); Runpei Dong (Xi'an Jiaotong University); Kaisheng Ma (Tsinghua University )
63	744	CoordGate: Efficiently Computing Spatially-Varying Convolutions in Convolutional Neural Networks	Sunny Howard (University of Oxford)*; Peter Norreys (University of Oxford); Andreas Döpp (LMU Munich)
64	307	RUPQ: Improving low-bit quantization by equalizing relative updates of quantization parameters	Valentin Buchnev (Huawei Technologies Co. Ltd.)*; Jiao He (huawei company); Fengyu Sun (Huawei); Ivan Koryakovskiy (Huawei Technologies Co., Ltd.)
65	889	DeepliteRT: Computer Vision at the Edge	Saad Ashfaq (Deeplite)*; Alexander Hoffman (McGill University); SAPTARSHI MITRA (Deeplite Inc.); Ehsan Saboori (Deeplite Inc.); Sudhakar Sah (Deeplite Inc); MohammadHossein AskariHemmat (Polytechnique Montreal)



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69	828	SCAAT: Improving Neural Network Interpretability via Saliency Constrained Adaptive Adversarial Training	Rui Xu (Peking University); Wenkang Qin (Peking University); Peixiang Huang (Peking University); Hao Wang (National Institutes for Food and Drug Control); Lin Luo (Peking University)*
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71	40	Learning a Pedestrian Social Behavior Dictionary	Faith M Johnson (Rutgers University)*; Kristin Dana (Rutgers University)
72	207	Embedding Human Knowledge into Spatio-Temporal Attention Branch Network in Video Recognition via Temporal attention	Saki Noguchi (Chubu University)*; Yuzhi Shi (Chubu University); Tsubasa Hirakawa (Chubu University); Takayoshi Yamashita (Chubu University); Hironobu Fujiyoshi (Chubu University)
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80	629	Biased Attention: Do Vision Transformers Amplify Gender Bias More than Convolutional Neural Networks?	Abhishek Mandal (Dublin City University)*; Susan Leavy (University College Dublin); Suzanne Little (Dublin City University, Ireland)
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86	337	Active Learning for Fine-Grained Sketch-Based Image Retrieval	Himanshu Thakur (Carnegie Mellon University); Soumitri Chattopadhyay (Jadavpur University)*
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91	236	Temporal-controlled Frame Swap for Generating High-Fidelity Stereo Driving Data for Autonomy Analysis	Yedi Luo (Northeastern University); Xiangyu Bai (Northeastern University); Jiang Le (Northeastern University); Aniket Gupta (Northeastern University); Eric C Mortin (US Army DEVCOM Analysis Center); Hanumant Singh (Northeastern University); Sarah Ostadabbas (Northeastern University)*
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93	258	A Structure-Guided Diffusion Model for Large-Hole Image Completion	Daichi Horita (The University of Tokyo)*; Jiaolong Yang (Microsoft Research); Dong Chen (Microsoft Research Asia); Yuki Koyama (National Institute of Advanced Industrial Science and Technology (AIST)); Kiyoharu Aizawa (The University of Tokyo); Nicu Sebe (University of Trento)
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115	813	Learning Tri-modal Embeddings for Zero-Shot Soundscape Mapping	Subash Khanal (Washington University in Saint Louis)*; Srikumar Sastry (Washington University in St. Louis); Aayush Dhakal (Washington University in St. Louis); Nathan Jacobs (Washington University in St. Louis)
116	624	Text-to-Motion Synthesis using Discrete Diffusion Model	Ankur Chemburkar (USC Institute for Creative Technologies)*; Shuhong Lu (USC Institute for Creative Technologies); Andrew Feng (USC Institute for Creative Technologies)
117	460	AMA: Adaptive Memory Augmentation for Enhancing Image Captioning	Shuang Cheng (Institute of Computing Technology, Chinese Academy of Sciences)*; Jian Ye (Institute of Computing Technology, CAS)
118	326	X-PDNet: Accurate Joint Plane Instance Segmentation and Monocular Depth Estimation with Cross-Task Attention and Boundary Correction	Duc Cao Dinh (Computer Vision Lab, Hanyang University)*; Jongwoo Lim (Hanyang University)
119	381	Zero-shot Composed Text-Image Retrieval	Yikun Liu (Beijing University of Posts and Telecommunications)*; Jiangchao Yao (Cooperative Medianet Innovation Center, Shanghai Jiao Tong University); Yan-Feng Wang (Cooperative medianet innovation center of Shanghai Jiao Tong University); Ya Zhang (Cooperative Medianet Innovation Center, Shanghai Jiao Tong University); Weidi Xie (Shanghai Jiao Tong University)
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		Thomas Mensink (Google Research); Pascal Mettes (University of Amsterdam)*
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		Ke Wu (Beihang University); Han Jiang (Beihang University)*; Li Kuang (Beihang University); Yixuan Wang (Beihang University); Huaiqian Ye (Beihang University); Yuanbo He (State Key Laboratory of Virtual Reality Technology and Systems, Beihang University)
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		Hulingxiao He (School of Automation, Beijing Institute of Technology); Wu Yuan (School of Computer Science, Beijing Institute of Technology)*; Yidian Huang (Beijing Institute of Technology); Shilong Zhao (Beijing Institute of Technology); Wen Yuan (State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, CAS); Hanqing Li (University of the Chinese Academy of Sciences)
131	102	ReCoT: Regularized Co-Training for Facial Action Unit Recognition with Noisy Labels
		Yifan Li (Michigan State University); Hu Han (Institute of Computing Technology, Chinese Academy of Sciences)*; Shiguang Shan (Institute of Computing Technology, Chinese Academy of Sciences); zhihong ji (Tomorrow Advancing Life); Jinfeng Bai (Tomorrow Advance Life); Xilin Chen (Institute of Computing Technology, Chinese Academy of Sciences)



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133 800	Mobile Vision Transformer-based Visual Object Tracking	Goutam Yelluru Gopal (Concordia University)*; Maria Amer (Concordia University)
134 444	Semi-Supervised Domain Generalization for Detection via Language-Guided Feature Alignment	Sina Malakouti (University of Pittsburgh)*; Adriana Kovashka (University of Pittsburgh)
135 94	Likelihood-based Out-of-Distribution Detection with Denoising Diffusion Probabilistic Models	Joseph S Goodier (University of Bath)*; Neill Campbell (University of Bath)
136 323	Point-to-RBox Network for Oriented Object Detection via Single Point Supervision	Yucheng Wang (WuHan University)*; Chu He (Wuhan University); Xi Chen (Wuhan university)
137 310	Widely Applicable Strong Baseline for Sports Ball Detection and Tracking	Shuhei Tarashima (NTT Communications Corporation)*; Norio Tagawa (Tokyo Metropolitan University); Muhammad Abdul Haq (Tokyo Metropolitan University); Wang Yushan (Tokyo Metropolitan University)
138 93	Open-Vocabulary Object Detection with Meta Prompt Representation and Instance Contrastive Optimization	Zhao Wang (The Chinese University of Hong Kong)*; Aoxue Li (Noah's Ark Lab); Fengwei Zhou (Huawei Noah's Ark Lab); Zhenguo Li (Huawei Noah's Ark Lab); DOU QI (The Chinese University of Hong Kong)
139 707	SWIN-RIND: Edge Detection for Reflectance, Illumination, Normal and Depth Discontinuity with Swin Transformer	LUN MIAO (The University of Tokyo)*; Takeshi Oishi (The University of Tokyo); Ryoichi Ishikawa (The university of Tokyo)
140 33	Scale Adaptive Network for Partial Person Re-identification: Counteracting Scale Variance	HongYu Chen (Northwestern Polytechnical University)*; BingLiang Jiao (Northwestern Polytechnical University ); Liying Gao ( Northwestern Polytechnical University); Peng Wang (Northwestern Polytechnical University)
141 608	Object-Centric Open-Vocabulary Image-Retrieval with Sparse Features	Hila Levi (General Motors)*; Guy Heller (General Motors); Dan Levi (General Motors); Ethan Fetaya (Bar Ilan University)
142 353	Adapting Self-Supervised Representations to Multi-Domain Setups	Neha Kalibhat (University of Maryland - College Park)*; Sam Sharpe (Capital One); Jeremy Goodsitt (Capital One); C. Bayan Bruss (Capital One); Soheil Feizi (University of Maryland)
143 111	SeqCo-DETR: Sequence Consistency Training for Self-Supervised Object Detection with Transformers	Guoqiang Jin (SenseTime Research)*; Fan Yang (中国科学院自动化研究所); Mingshan Sun (SenseTime Research ); Ruyi Zhao (Tongji University); Yakun Liu (SenseTime Research); Wei Li (SenseTime Research); Tianpeng Bao (SenseTime Research); Liwei Wu (SenseTime Research); Xingyu ZENG (SenseTime Group Limited); Rui Zhao (SenseTime Group Limited)

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		Zaiquan Yang (Beihang University)*; Zhanghan Ke (City University of Hong Kong); Gerhard P. Hancke (City University of Hong Kong); Rynson W.H. Lau (City University of Hong Kong)
146	394	Unifying Synergies between Self-supervised Learning and Dynamic Computation
		Tarun Krishna (DCU)*; Ayush K. Rai (Dublin City University); Eric Arazo (Insight Centre for Data Analytics (DCU)); Paul Albert (Insight Centre for Data Analytics (DCU)); Alexandru F. Drimbarean (Xperi); Alan Smeaton (Insight Centre for Data Analytics, Dublin City University); Kevin McGuinness (DCU); Noel O Connor (Home)
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		Yu-Cheng Hsieh (National Tsing Hua University)*; Cheng Sun (National Tsing Hua University); Suraj Dengale (National Tsing Hua University); Min Sun (NTHU)
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		Qianying Liu (University of Glasgow)*; Xiao Gu (Imperial College London); Paul Henderson (University of Glasgow); Fani Deligianni (University of Glasgow)
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154	767	Label-guided Real-time Fusion Network for RGB-T Semantic Segmentation
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155	523	SHLS: Superfeatures learned from still images for self-supervised VOS
		Marcelo M Santos (UFBA)*; Jefferson Fontinele da Silva (University Federal of Maranhão); Luciano Oliveira (UFBA)

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157	719	EyeGuide - From Gaze Data to Instance Segmentation	Jacqueline Kockwelp (University of Münster); Joerg Gromoll (CeRA); Joachim Wistuba (Centre of Reproductive Medicine and Andrology); Benjamin Risse (University of Münster)*
158	908	Class-Imbalanced Semi-Supervised Learning with Inverse Auxiliary Classifier	Tiansong Jiang (Nanjing University of Science and Technology)*; Sheng Wan (Nanjing university of science and technology); Chen Gong (Nanjing University of Science and Technology)
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161	259	Prototype-Aware Contrastive Knowledge Distillation for Few-Shot Anomaly Detection	Zhihao Gu (Shanghai Jiao Tong University)*; Taihai Yang (East China Normal University); Lizhuang Ma (Shanghai Jiao Tong University)
162	837	Domain-Adaptive Semantic Segmentation with Memory-Efficient Cross-Domain Transformers	Ruben Mascaro (ETH Zurich)*; Lucas Teixeira (ETH Zurich); Margarita Chli (ETH Zurich)
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171	18	Random Word Data Augmentation with CLIP for Zero-Shot Anomaly Detection	Masato Tamura (Hitachi America, Ltd.)*
172	202	Few-Shot Anomaly Detection with Adversarial Loss for Robust Feature Representations	Jae Young Lee (KAIST)*; Wonjun Lee (University of Science and Technology ); Jaehyun Choi (KAIST); Yongkwi LEE (ETRI); Young Seog Yoon (Electronics and Telecommunications Research Institute)
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179	542	Temporal-aware Hierarchical Mask Classification for Video Semantic Segmentation	Zhaochong An (ETH Zurich); Guolei Sun (ETH Zurich)*; Zongwei WU (Univ. Bourgogne Franche-Comte, France); Hao Tang (ETH Zurich); Luc Van Gool (ETH Zurich)

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181 144	Dual Attention for Audio-Visual Speech Enhancement with Facial Cues	Fexiang Wang (ICT, UCAS)*; Shuang Yang (ICT, CAS); Shiguang Shan (Institute of Computing Technology, Chinese Academy of Sciences); Xilin Chen (Institute of Computing Technology, Chinese Academy of Sciences)
182 367	How Can Contrastive Pre-training Benefit Audio-Visual Segmentation? A Study from Supervised and Zero-shot Perspectives	Jiarui Yu (USTC)*; Haoran Li (University of Science and Technology of China); Yanbin Hao (University of Science and Technology of China); Wu Jinmeng (Wuhan Institute of Technology); Tong Xu (University of Science and Technology of China); Shuo Wang (University of Science and Technology of China); Xiangnan He (University of Science and Technology of China)
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188 510	Open-world Text-specified Object Counting	Niki Amini-Naieni (University of Oxford)*; Kiana Amini-Naieni (University of California, Davis); Tengda Han (University of Oxford); Andrew Zisserman (University of Oxford)
189 650	Towards Debiasing Frame Length Bias in Text-Video Retrieval via Causal Intervention	Burak Satar (Nanyang Technological University)*; Hongyuan Zhu (Institute for Infocomm, Research Agency for Science, Technology and Research (A*STAR) Singapore); Hanwang Zhang (Nanyang Technological University); Joo-Hwee Lim (Institute for Infocomm Research)
190 229	Weakly-Supervised Visual-Textual Grounding with Semantic Prior Refinement	Davide Rigoni (University of Padua); Luca Parolari (University of Padova); Luciano Serafini (Fondazione Bruno Kessler); Alessandro Sperduti (Università di Padova (IT)); Lamberto Ballan (University of Padova)*
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