Wei Lin (Mr.)

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Research interests	Vision-la derstandi	inguage models, multimodal learning, domain adaptation, video un- ing				
Current Position	Postdoc a (headed b Johannes	at the Institute for Machine Learning by Prof. Sepp Hochreiter, Father of LSTM) s Kepler University		Linz, Austria Oct 2023 – current		
Education	Graz Un PhD in C Mentors: Prof. Hor Prof. Hild	z University of Technology Graz, Austria in Computer Science Jan 2019 – Mar 2024 tors: Horst Bischof (Graz University of Technology) Hilde Kuehne (Goethe University Frankfurt, MIT-IBM Watson AI lab)				
	Technic: M.Sc. in I Mentors:	Technical University of Munich M.Sc. in Electrical and Computer Engineering Mentors: Prof. Eckehard Steinbach		Munich, Germany Oct 2015 - Jul 2018		
Organization	Program tion Mod Seattle	n Chair of the 2nd Workshop on "What is Next in Multimodal Founda- dels" and Challenge Chair for the MMFM-Challenge on CVPR 2024,				
Publications	Comparison Visual Instruction Tuning Wei Lin, Muhammad Jehanzeb Mirza, Sivan Doveh, Rogerio Feris, Raja Giryes, Sepp Hochreiter, Leonid Karlinsky In collaboration with the MIT-IBM Watson AI Lab <i>Arxiv 2024</i>					
	Meta-Prompting for Automating Zero-shot Visual Recognition with LLMs Muhammad Jehanzeb Mirza, Leonid Karlinsky, Wei Lin, Sivan Doveh, Jakub Micorek, Mateusz Kozinski, Hilde Kuehne, Horst Possegger In collaboration with the MIT-IBM Watson AI Lab <i>European Conference on Computer Vision (ECCV) 2024</i>					
	Conme: Rethinking Evaluation of Compositional Reasoning for Mod- ern VLMs					

*Irene Huang, *Wei Lin, *Muhammad Jehanzeb Mirza, Jacob Hansen, Sivan Doveh, Victor Ion Butoi, Roei Herzig, Assaf Arbelle, Hilde Kuehne, Trevor Darrell, Chuang Gan, Aude Oliva, Rogerio Feris, Leonid Karlinsky (*equal contribution) In collaboration with the MIT-IBM Watson AI Lab

Arxiv 2024

Overlooked Aspects in the Evaluation of Out-Of-Distribution Detection Methods

*Bernhard Lehner, *Christian Huber, Bernhard Moser, Claus Hofmann, Wei Lin, Sepp Hochreiter (*equal contribution) *Arxiv 2024*

MAtch, eXpand and Improve: Unsupervised Finetuning for Zero-Shot Action Recognition with Language Knowledge

Wei Lin, Leonid Karlinsky, Nina Shvetsova, Horst Possegger, Mateusz Kozinski, Rameswar Panda, Rogerio Feris, Hilde Kuehne, Horst Bischof In collaboration with the MIT-IBM Watson AI Lab *International Conference on Computer Vision (ICCV) 2023*

LaFTer: Label-Free Tuning of Zero-shot Classifier using Language and Unlabeled Image Collections

Muhammad Jehanzeb Mirza, Leonid Karlinsky, Wei Lin, Mateusz Kozinski, Horst Possegger, Rogerio Feris, Horst Bischof Conference on Neural Information Processing Systems (NeurIPS) 2023

MATE: Masked Autoencoders are Online 3D Test-Time Learners

*Muhammad Jehanzeb Mirza, *Inkyu Shin, *Wei Lin, Andreas Schriebl, Kunyang Sun, Jaesung Choe, Horst Possegger, Mateusz Kozinski, In So Kweon, Kun-Jin Yoon, Horst Bischof (*equal contribution) *International Conference on Computer Vision (ICCV) 2023*

TAP: Targeted Prompting for Task Adaptive Generation of Textual Training Instances for Visual Classification

Muhammad Jehanzeb Mirza, Leonid Karlinsky, Wei Lin, Horst Possegger, Rogerio Feris, Horst Bischof *Arxiv 2023*

Video Test-Time Adaptation for Action Recognition

*Wei Lin, *Muhammad Jehanzeb Mirza, Mateusz Kozinski, Horst Possegger, Hilde Kuehne, Horst Bischof (*equal contribution) Conference on Computer Vision and Pattern Recognition (CVPR) 2023

ActMAD: Activation Matching to Align Distributions for Test-Time-Training

Muhammad Jehanzeb Mirza, Pol Jané Soneira, Wei Lin, Mateusz Kozinski, Horst Possegger, Horst Bischof *Conference on Computer Vision and Pattern Recognition (CVPR) 2023*

CycDA: Unsupervised Cycle Domain Adaptation to Learn from Image to Video

Wei Lin, Anna Kukleva, Kunyang Sun, Horst Possegger, Hilde Kuehne, Horst Bischof

European Conference on Computer Vision (ECCV) 2022

Extended Abstract CycDA: Unsupervised Cycle Domain Adaptation to Learn from Image to Video

Wei Lin, Anna Kukleva, Kunyang Sun, Horst Possegger, Hilde Kuehne, Horst Bischof

ECCV 2022 Workshop of Out Of Distribution Generalization in Computer Vision, 2022

Unsupervised Class-aware 3D Object Detection in LiDAR Point Clouds

Christian Fruhwirth-Reisinger, Wei Lin, Dusan Malic, David Schinagl, Georg Krispel, Horst Possegger, Horst Bischof *Arxiv 2023*

AIR-DA: Adversarial Image Reconstruction for Unsupervised Domain Adaptive Object Detection

Kunyang Sun, Wei Lin, Haoqin Shi, Zhengming Zhang, Yongming Huang, Horst Bischof IEEE Robotics and Automation Letters (RA-L) 2023

TAEC: Unsupervised Action Segmentation with Temporal-Aware Embedding and Clustering

Wei Lin, Anna Kukleva, Horst Possegger, Hilde Kuehne, Horst Bischof *Computer Vision Winter Workshop 2023*

Review service	Conference			
	ECCV 2022, ISMAR 2023, CVPR 2023, NeurIPS 2023, WACV 2024, CVPR 2024,			
	ECCV 2024, NeurIPS 2024, NeurIPS 2024 Dataset and Benchmark Track			
	Journal			
	TPAMI 2023, TNNLS 2023, IEEE Trans. Multimedia 2023, Pattern Recognition			
	Letters 2024			
A				
Activity	International Computer Vision Summer School 2023			

Teaching	Deep Learning and Neural Networks I & II Exercise, Machine Learning: Su- pervised Techniques Exercise, Machine Learning: Unsupervised Techniques Exercise				
Honors and	Scholarship for Foreign Students (Technical University of Munich) 06.24				
scholarships	Scholarship for Foreign Students (Technical University	r of Munich) 06.2017			
Industry experience	Robert Bosch GmbH, Corporate Research	Hildesheim, Germany			
	Research Internship	Oct 2017 - May 2018			
	Master's Thesis : 3D Human Pose-based Action Recognition				
	Robert Bosch GmbH, Corporate Research	Leonberg, Germany			
	Research Internship Feb 2017				
	Project: Road surface estimation from monocular video data based on P-Spline				
	regression and 3D reconstruction				
Skills	Programming				
	Proficient in: Python, C++				
	Languages				
	English, German, Chinese				