

Wei Lin (Mr.)

Updated June 8, 2023

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HomePage: [link](#)

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Google Scholar: [link](#)

Research interests

Vision-language models, multimodal learning, domain adaptation, video understanding

Education

Graz University of Technology

Graz, Austria

PhD in Computer Science

Jan 2019 – Present

Mentors:

Prof. Horst Bischof (Graz University of Technology)

Prof. Hilde Kuehne (Goethe University Frankfurt, MIT-IBM Watson AI lab)

Technical University of Munich

Munich, Germany

M.Sc. in Electrical and Computer Engineering

Oct 2015 - Jul 2018

Mentors: Prof. Eckehard Steinbach

Beihang University

Beijing, China

B.E. in Electronic and Information Engineering

Sep 2011 - Jun 2015

Publications

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

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

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

Arxiv 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)

Arxiv 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

ECCV 2022, ISMAR 2023, CVPR 2023, NeurIPS 2023

**Honors and
scholarships**

Scholarship for Foreign Students (Technical University of Munich) 06.2016

Scholarship for Foreign Students (Technical University of Munich) 06.2017

Industry experience

Robert Bosch GmbH, Corporate Research
Research Internship

Hildesheim, Germany
Oct 2017 - May 2018

Master's Thesis : 3D Human Pose-based Action Recognition

Robert Bosch GmbH, Corporate Research

Leonberg, Germany

Research Internship

Feb 2017 - Jul 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