

# Wei Lin (Mr.)

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**Email:** wei.lin@icg.tugraz.at

**HomePage:** [link](#)

**GitHub:** [link](#)

**Google Scholar:** [link](#)

## Research interests

Vision-language models, transfer 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*

### **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*

**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*

**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 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 - 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