

Anna Kukleva

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EDUCATION

Max-Planck-Institute for Informatics, Universität des Saarlandes, Germany	January 2020 — August 2024
Doctor of Engineering	Summa Cum Laude
Thesis: Advancing Image and Video Recognition With Less Supervision	
Receiver of The Otto Hahn Medal (PhD Thesis Award of the Max Planck Society across all disciplines)	
Bonn University, Germany	October 2017 — January 2020
M.Sc. in Computer Science	GPA: 1.1/1.0 (Distinction)
Thesis: Learning Interactions and Relationships between Movie Characters [19]	
Receiver of Grace-Hopper-Award (Master Thesis Award)	
Lomonosov Moscow State University, Russia	September 2013 — June 2017
B.Sc. in Computer Science	
Thesis: Abandoned Objects Detection in Video Sequences[22]	

EXPERIENCE

Max-Planck-Institute for Informatics	Saarbrücken, Germany
<i>Postdoctoral researcher</i>	September 2024 — Present
Supervisor: Bernt Schiele	
Max-Planck-Institute for Informatics	Saarbrücken, Germany
<i>PhD Student</i>	February 2020 — August 2024
Topic: Advancing Image and Video Recognition with Less Supervision	
Supervisor: Bernt Schiele	
Allegis Group GmbH (Client is Meta)	Remote, Germany
<i>External Research Collaborator</i>	March 2024 — July 2024
- Monitor and track project progress and identify issues as they arise	
- Assist researchers through the life of the project while being responsible for a portion of the project	
- Share work and give feedback to teammaters	
Manager: Fadime Sener	
Meta	Zürich, Switzerland
<i>Research Intern</i>	May 2023 — October 2023
Project: Cross-Modal Instance Conditioning for Egocentric Action Generalization [6]	
Manager: Fadime Sener	
Meta	Virtual, Germany
<i>Research Intern</i>	September 2021 — December 2021
Topic: Project to improve Single Object Tracking	
Manager: Heng Wang, Du Tran	
Inria , Willow team	Paris, France
<i>Research Intern with Stipend</i>	May 2019 — November 2019
Project: Learning Interactions and Relationships between Movie Characters [19]	
Supervisor: Makarand Tapaswi, Ivan Laptev	
Uni Bonn	Bonn, Germany
<i>Research Assistant</i>	April 2018 — April 2019
Project: Unsupervised learning of action classes with continuous temporal embedding [21]	
Supervisor: Hilde Kuehne, Jürgen Gall	

PUBLICATIONS

- [1] **Anna Kukleva***, Enis Simsar*, Alessio Tonioni, Muhammad Ferjad Naeem, Federico Tombari, Jan Eric Lenssen, and Bernt Schiele. “RefAM: Attention Magnets for Zero-Shot Referral Segmentation”. In: *arXiv:2509.22650* (2025).
- [2] Selim Kuzucu, Muhammad Ferjad Naeem, **Anna Kukleva**, Federico Tombari, and Bernt Schiele. “Language-Unlocked ViT (LUViT): Empowering Self-Supervised Vision Transformers with LLMs”. In: *arXiv:2507.00754* (2025).
- [3] Philipp Flotho*, Moritz Piening*, **Anna Kukleva**, and Gabriele Steidl. “T-FAKE: Synthesizing Thermal Images for Facial Landmarking”. In: *CVPR 2025*.

- [4] Felix Vogel, Walid Bousselham, **Anna Kukleva**, Nina Shvetsova, and Hilde Kuehne. “VideoGEM: Training-free Action Grounding in Videos”. In: *CVPR 2025*.
- [5] Nina Shvetsova*, **Anna Kukleva***, Xudong Hong, Christian Rupprecht, Bernt Schiele, and Hilde Kuehne. “HowTo-Caption: Prompting LLMs to Transform Video Annotations at Scale”. In: *ECCV 2024*.
- [6] **Anna Kukleva**, Fadime Sener, Edoardo Remelli, Bugra Tekin, Eric Sauser, Bernt Schiele, and Shugao Ma. “X-MIC: Cross-Modal Instance Conditioning for Egocentric Action Generalization”. In: *CVPR 2024*.
- [7] Noor Ahmed*, **Anna Kukleva***, and Bernt Schiele. “OrCo: Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning”. In: *CVPR 2024*.
- [8] Nina Shvetsova*, **Anna Kukleva***, Bernt Schiele, and Hilde Kuehne. “In-Style: Bridging Text and Uncurated Videos with Style Transfer for Text-Video Retrieval”. In: *ICCV 2023*.
- [9] Yue Fan, **Anna Kukleva**, Dengxin Dai, and Bernt Schiele. “SSB: Simple but Strong Baseline for Boosting Performance of Open-Set Semi-Supervised Learning”. In: *ICCV 2023*.
- [10] Nina Shvetsova, Felix Petersen, **Anna Kukleva**, Bernt Schiele, and Hilde Kuehne. “Learning by Sorting: Self-supervised Learning with Group Ordering Constraints”. In: *ICCV 2023*.
- [11] **Anna Kukleva***, Moritz Böhle*, Bernt Schiele, Hilde Kuehne, and Christian Rupprecht. “Temperature Schedules for self-supervised contrastive methods on long-tail data”. In: *ICLR 2023*.
- [12] Wei Lin, **Anna Kukleva**, Horst Possegger, Hilde Kuehne, and Horst Bischof. “TAEC: Unsupervised Action Segmentation with Temporal-Aware Embedding and Clustering”. In: *CEUR Workshop 2023*.
- [13] Yue Fan, **Anna Kukleva**, Dengxin Dai, and Bernt Schiele. “Revisiting consistency regularization for semi-supervised learning”. In: *IJCV* (2023).
- [14] Wei Lin, **Anna Kukleva**, Kunyang Sun, Horst Possegger, Hilde Kuehne, and Horst Bischof. “CycDA: Unsupervised Cycle Domain Adaptation from Image to Video”. In: *ECCV 2022*.
- [15] Enea Duka*, **Anna Kukleva***, and Bernt Schiele. “Leveraging Self-Supervised Training for Unintentional Action Recognition”. In: *ECCVW 2022*.
- [16] Yue Fan, Dengxin Dai, **Anna Kukleva**, and Bernt Schiele. “Cossal: Co-learning of representation and classifier for imbalanced semi-supervised learning”. In: *CVPR 2022*.
- [17] **Anna Kukleva**, Hilde Kuehne, and Bernt Schiele. “Generalized and incremental few-shot learning by explicit learning and calibration without forgetting”. In: *ICCV 2021*.
- [18] Rosaura G VidalMata, Walter J Scheirer, **Anna Kukleva**, David Cox, and Hilde Kuehne. “Joint visual-temporal embedding for unsupervised learning of actions in untrimmed sequences”. In: *WACV 2021*.
- [19] **Anna Kukleva**, Makarand Tapaswi, and Ivan Laptev. “Learning interactions and relationships between movie characters”. In: *CVPR 2020 (Oral)*.
- [20] **Anna Kukleva***, Mohammad Asif Khan*, Hafez Farazi, and Sven Behnke. “Utilizing temporal information in deep convolutional network for efficient soccer ball detection and tracking”. In: *RoboCup 2019: Robot World Cup XXIII 23 (Oral)*.
- [21] **Anna Kukleva**, Hilde Kuehne, Fadime Sener, and Jurgen Gall. “Unsupervised learning of action classes with continuous temporal embedding”. In: *CVPR 2019*.
- [22] **Anna Kukleva**, Vlad Konushin, and Anton Konushin. “Abandoned Objects Detection in Video Sequences”. In: *Graph-iCon 2017*.

TALKS

50th Pattern Recognition and Computer Vision Colloquium
From Words to Pixels: Leveraging LLMs for Vision Tasks

Czech Technical University
October 2025

Angela Yao's group

Advancing Video Recognition with Less Supervision

National University of Singapore
April 2025

FunAI group

Advancing Video Recognition with Less Supervision

University of Technology Nuremberg
February 2025

Spotlight Talk

Advancing Video Recognition with Less Supervision

GCPR 2024
September 2024

The 57th session of MultimodalWeekly

HowToCaption: Prompting LLMs to Transform Video Annotations at Scale

Twelve Labs
August 2024

SprintML group

Advancing Image and Video Recognition with Less Supervision

CISPA
July 2024

VGG Seminar	University of Oxford
<i>Advancing Image and Video Recognition with Less Supervision</i>	March 2024
ZESS Lecture Series: Talks in Visual Computing	University of Siegen
<i>Advancing Image and Video Recognition with Less Supervision</i>	March 2024
Computer Vision Talks	YouTube
<i>Generalized and Incremental Few-Shot Learning by Explicit Learning and Calibration without Forgetting</i>	January 2022
6th Christmas Colloquium on Computer Vision 2020	Virtual by Samsung AI Center Moscow
<i>Learning Interactions and Relationships Between Movie Characters</i>	December 2020
DLCV Practitioner's Evening	Virtual
<i>Learning Interactions and Relationships Between Movie Characters</i>	August 2020
CMU Visit (Abhinav Gupta's group)	Pittsburgh, USA
<i>Video Understanding</i>	January 2020
WILLOW-ENPC-Berkeley Workshop on Vision and Robotics	Paris, France
<i>Learning Interactions and Relationships Between Movie Characters</i>	September 2019

TEACHING

Master Students:

Maheen Saleh: *Multiscale Video Captioning with LLMs and Video Annotations*
 Noor Ahmed: *Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning [7]*
 Luisa Danalachi: *Incremental Domain Adaptation for Semantic Segmentation*
 Enea Duka: *Learn and Transfer from Unintentional Actions to Anomalous Videos [15]*
 Skender Paturri: *Spatio-Temporal Action Detection*

Bachelor Students:

Julius Gabelmann: *Few-Shot Learning with the Help of Self-Supervision*

Courses:

Probabilistic Graphical Models, WS2020

ACADEMIC ACTIVITIES

Area Chair: WACV 2024-2026, NeurIPS 2025	
Doctoral Consortium Chair: ICCV 2025	
Coorganizing the NextVid workshop in conjunction with NeurIPS 2025	San Diego, USA
Coorganizing the MMFM workshop in conjunction with CVPR 2025	Nashville, USA
Coorganizing the LPVL workshop in conjunction with CVPR 2024	Seattle, USA
Coorganizing the WiCV workshop in conjunction with ECCV 2020	Glasgow, UK
Reviewer: CVPR21-24, ICCV21-25, ECCV22-24, PAMI, IJCV, WACV21-22, TMM, ACMMM21, AISTAT23, NeurIPS23-24	

HONORS & AWARDS

The Otto Hahn Medal	2025
PhD Thesis Award of the Max Planck Society across all disciplines	
Top Reviewer CVPR 2024	2024
Top 2% acceptance rate	
Selected by Doctoral Consortium at CVPR 2024	2024
Top 13% acceptance rate	
Top Reviewer NeurIPS 2023	2023
Top 9% acceptance rate	
Top Reviewer AISTAT 2023	2023
Top 10% acceptance rate	
Reading Group Prize at ICVSS	2022
Top 25% acceptance rate	
Selected by the International Computer Vision Summer School (ICVSS)	2022
Top 23.8% acceptance rate	
Grace-Hopper-Award	2021
Master thesis award	
Master Degree with Distinction	2020
Bonn University	
Oral Presentation at CVPR 2020	2020
Top 4% acceptance rate	