

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
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 [18]
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[21]

EXPERIENCE

Max-Planck-Institute for Informatics Saarbrücken, Germany
Postdoctoral researcher September 2024 — Present
Supervisor: Bernt Schiele

Max-Planck-Institute for Informatics Saarbrücken, Germany
PhD Student February 2020 — August 2024
Topic: Advancing Image and Video Recognition with Less Supervision
Supervisor: Bernt Schiele

Allegis Group GmbH (Client is Meta) Remote, Germany
External Research Collaborator 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 teammates
Manager: Fadime Sener

Meta Zürich, Switzerland
Research Intern May 2023 — October 2023
Project: Cross-Modal Instance Conditioning for Egocentric Action Generalization [5]
Manager: Fadime Sener

Meta Virtual, Germany
Research Intern September 2021 — December 2021
Topic: Project to improve Single Object Tracking
Manager: Heng Wang, Du Tran

Inria , Willow team Paris, France
Research Intern with Stipend May 2019 — November 2019
Project: Learning Interactions and Relationships between Movie Characters [18]
Supervisor: Makarand Tapaswi, Ivan Laptev

Uni Bonn Bonn, Germany
Research Assistant April 2018 — April 2019
Project: Unsupervised learning of action classes with continuous temporal embedding [20]
Supervisor: Hilde Kuehne, Jürgen Gall

PUBLICATIONS

- [1] 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).
- [2] Philipp Flotho*, Moritz Piening*, **Anna Kukleva**, and Gabriele Steidl. “T-FAKE: Synthesizing Thermal Images for Facial Landmarking”. In: *CVPR 2025*.
- [3] Felix Vogel, Walid Bousselham, **Anna Kukleva**, Nina Shvetsova, and Hilde Kuehne. “VideoGEM: Training-free Action Grounding in Videos”. In: *CVPR 2025*.

- [4] Nina Shvetsova*, **Anna Kukleva***, Xudong Hong, Christian Rupprecht, Bernt Schiele, and Hilde Kuehne. “HowToCaption: Prompting LLMs to Transform Video Annotations at Scale”. In: *ECCV 2024*.
- [5] **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*.
- [6] Noor Ahmed*, **Anna Kukleva***, and Bernt Schiele. “OrCo: Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning”. In: *CVPR 2024*.
- [7] 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*.
- [8] 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*.
- [9] Nina Shvetsova, Felix Petersen, **Anna Kukleva**, Bernt Schiele, and Hilde Kuehne. “Learning by Sorting: Self-supervised Learning with Group Ordering Constraints”. In: *ICCV 2023*.
- [10] **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*.
- [11] 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*.
- [12] Yue Fan, **Anna Kukleva**, Dengxin Dai, and Bernt Schiele. “Revisiting consistency regularization for semi-supervised learning”. In: *IJCV (2023)*.
- [13] 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*.
- [14] Enea Duka*, **Anna Kukleva***, and Bernt Schiele. “Leveraging Self-Supervised Training for Unintentional Action Recognition”. In: *ECCVW 2022*.
- [15] Yue Fan, Dengxin Dai, **Anna Kukleva**, and Bernt Schiele. “CossL: Co-learning of representation and classifier for imbalanced semi-supervised learning”. In: *CVPR 2022*.
- [16] **Anna Kukleva**, Hilde Kuehne, and Bernt Schiele. “Generalized and incremental few-shot learning by explicit learning and calibration without forgetting”. In: *ICCV 2021*.
- [17] 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*.
- [18] **Anna Kukleva**, Makarand Tapaswi, and Ivan Laptev. “Learning interactions and relationships between movie characters”. In: *CVPR 2020 (Oral)*.
- [19] **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)*.
- [20] **Anna Kukleva**, Hilde Kuehne, Fadime Sener, and Jurgen Gall. “Unsupervised learning of action classes with continuous temporal embedding”. In: *CVPR 2019*.
- [21] **Anna Kukleva**, Vlad Konushin, and Anton Konushin. “Abandoned Objects Detection in Video Sequences”. In: *Graph-iCon 2017*.

TALKS

Angela Yao’s group	National University of Singapore
<i>Advancing Video Recognition with Less Supervision</i>	Aprils 2025
FunAI group	University of Technology Nuremberg
<i>Advancing Video Recognition with Less Supervision</i>	February 2025
Spotlight Talk	GCPR 2024
<i>Advancing Video Recognition with Less Supervision</i>	September 2024
The 57th session of MultimodalWeekly	Twelve Labs
<i>HowToCaption: Prompting LLMs to Transform Video Annotations at Scale</i>	August 2024
SprintML group	CISPA
<i>Advancing Image and Video Recognition with Less Supervision</i>	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 Practioner'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:

Noor Ahmed: *Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning* [6]

Luisa Danalachi: *Incremental Domain Adaptation for Semantic Segmentation*

Enea Duka: *Learn and Transfer from Unintentional Actions to Anomalous Videos* [14]

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, WACV 2025, NeurIPS 2025, WACV 2026

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