

Anna Kukleva

akukleva@mpi-inf.mpg.de — annusha.github.io

EDUCATION

Universität des Saarlandes, Germany
Doctor of Engineering

January 2020 — August 2024
Summa Cum Laude

Bonn University, Germany
M.Sc. in Computer Science
Thesis: Learning Interactions and Relationships between Movie Characters [15]
Receiver of Grace-Hopper-Award (Master Thesis Award)

October 2017 — January 2020
GPA: 1.1/1.0 (Distinction)

Lomonosov Moscow State University, Russia
B.Sc. in Computer Science
Thesis: Abandoned Objects Detection in Video Sequences [18]

September 2013 — June 2017

EXPERIENCE

Max-Planck-Institute for Informatics
Postdoctoral researcher
Supervisor: Bernt Schiele

Saarbrücken, Germany
September 2024 — Present

Max-Planck-Institute for Informatics
PhD Student
Topic: Advancing Image and Video Recognition with Less Supervision
Supervisor: Bernt Schiele

Saarbrücken, Germany
February 2020 — August 2024

Allegis Group GmbH (Client is Meta)
External Research Collaborator

Remote, Germany
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
Research Intern

Zürich, Switzerland
May 2023 — October 2023

Project: Cross-Modal Instance Conditioning for Egocentric Action Generalization [2]
Manager: Fadime Sener

Meta
Research Intern

Virtual, Germany
September 2021 — December 2021

Topic: Project to improve Single Object Tracking
Manager: Heng Wang, Du Tran

Inria , Willow team
Research Intern with Stipend

Paris, France
May 2019 — November 2019

Project: Learning Interactions and Relationships between Movie Characters [15]
Supervisor: Makarand Tapaswi, Ivan Laptev

Uni Bonn
Research Assistant

Bonn, Germany
April 2018 — April 2019

Project: Unsupervised learning of action classes with continuous temporal embedding [17]
Supervisor: Hilde Kuehne, Jürgen Gall

PUBLICATIONS

- [1] 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*.
- [2] **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*.
- [3] Noor Ahmed*, **Anna Kukleva***, and Bernt Schiele. “OrCo: Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning”. In: *CVPR 2024*.
- [4] 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*.

- [5] 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*.
- [6] Nina Shvetsova, Felix Petersen, **Anna Kukleva**, Bernt Schiele, and Hilde Kuehne. “Learning by Sorting: Self-supervised Learning with Group Ordering Constraints”. In: *ICCV 2023*.
- [7] **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*.
- [8] 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*.
- [9] Yue Fan, **Anna Kukleva**, Dengxin Dai, and Bernt Schiele. “Revisiting consistency regularization for semi-supervised learning”. In: *IJCV (2023)*.
- [10] 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*.
- [11] Enea Duka*, **Anna Kukleva***, and Bernt Schiele. “Leveraging Self-Supervised Training for Unintentional Action Recognition”. In: *ECCVW 2022*.
- [12] Yue Fan, Dengxin Dai, **Anna Kukleva**, and Bernt Schiele. “CossI: Co-learning of representation and classifier for imbalanced semi-supervised learning”. In: *CVPR 2022*.
- [13] **Anna Kukleva**, Hilde Kuehne, and Bernt Schiele. “Generalized and incremental few-shot learning by explicit learning and calibration without forgetting”. In: *ICCV 2021*.
- [14] 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*.
- [15] **Anna Kukleva**, Makarand Tapaswi, and Ivan Laptev. “Learning interactions and relationships between movie characters”. In: *CVPR 2020 (Oral)*.
- [16] **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)*.
- [17] **Anna Kukleva**, Hilde Kuehne, Fadime Sener, and Jurgen Gall. “Unsupervised learning of action classes with continuous temporal embedding”. In: *CVPR 2019*.
- [18] **Anna Kukleva**, Vlad Konushin, and Anton Konushin. “Abandoned Objects Detection in Video Sequences”. In: *Graph-iCon 2017*.

TALKS

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* [\[3\]](#)

Luisa Danalachi: *Incremental Domain Adaptation for Semantic Segmentation*

Enea Duka: *Learn and Transfer from Unintentional Actions to Anomalous Videos* [\[11\]](#)

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

Coorganizing the LPVL workshop in conjunction with CVPR 2024

Seattle, USA

Coorganizing the WiCV workshop in conjunction with ECCV 2020

Glasgow, UK

Area Chair: WACV 2024, WACV 2025

Reviewer: CVPR21-24, ICCV21-23, ECCV22-24, PAMI, IJCV, WACV21-22, TMM, ACMMM21, AISTAT23, NeurIPS23-24

HONORS & AWARDS

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