

# Anna Kukleva

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## EDUCATION

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**Universität des Saarlandes**, Germany  
Doctor of Philosophy

Present

**Bonn University**, Germany  
M.Sc. in Computer Science  
Thesis: Learning Interactions and Relationships between Movie Characters [16]  
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 [19]

September 2013 — June 2017

## EXPERIENCE

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**Max-Planck-Institute for Informatics**  
*PhD Student*  
Topic: Image and Video Recognition with Limited Data  
Supervisor: Bernt Schiele

Saarbrücken, Germany  
February 2020 — Present

**Meta**  
*Research Intern*  
Project: Cross-Modal Instance Conditioning for Egocentric Action Generalization [1]  
Manager: Fadime Sener

Zürich, Switzerland  
May 2023 — October 2023

**Meta (Facebook)**  
*Research Intern*  
Topic: Single Object Tracking  
Manager: Heng Wang, Du Tran

Virtual  
September 2021 — December 2021

**Inria (Willow team)**  
*Research Intern*  
Project: Learning Interactions and Relationships between Movie Characters [16]  
Supervisor: Makarand Tapaswi, Ivan Laptev

Paris, France  
May 2019 — November 2019

**Uni Bonn**  
*Research Assistant*  
Project: Unsupervised learning of action classes with continuous temporal embedding [18]  
Supervisor: Hilde Kuehne, Jürgen Gall

Bonn, Germany  
April 2018 — April 2019

## PUBLICATIONS

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- [1] **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*. (under submission).
- [2] Noor Ahmed\*, **Anna Kukleva\***, and Bernt Schiele. *OrCo: Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning*. (under submission).
- [3] Yonghui Fan, **Anna Kukleva**, Dawei Zhou, Jundong Li, and Jiaying Shen. *CharmT: A Character-centric Multimodal Transformer for Modeling Interpersonal Interactions and Relationships in Movies*. (under submission).
- [4] Nina Shvetsova\*, **Anna Kukleva\***, Xudong Hong, Christian Rupprecht, Bernt Schiele, and Hilde Kuehne. “HowTo-Caption: Prompting LLMs to Transform Video Annotations at Scale”. In: *arXiv preprint arXiv:2310.04900* (2023).
- [5] 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*.
- [6] 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*.
- [7] Nina Shvetsova, Felix Petersen, **Anna Kukleva**, Bernt Schiele, and Hilde Kuehne. “Learning by Sorting: Self-supervised Learning with Group Ordering Constraints”. In: *ICCV 2023*.
- [8] **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*.

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

## TALKS

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### Computer Vision Talks

*Generalized and Incremental Few-Shot Learning by Explicit Learning and Calibration without Forgetting* YouTube January 2022

### 6th Christmas Colloquium on Computer Vision 2020

*Learning Interactions and Relationships Between Movie Characters* Virtual by Samsung AI Center Moscow December 2020

### DLCV Practioner’s Evening

*Learning Interactions and Relationships Between Movie Characters* Virtual August 2020

### CMU Visit (Abhinav Gupta’s group)

*Video Understanding* Pittsburgh, USA January 2020

### WILLOW-ENPC-Berkeley Workshop on Vision and Robotics

*Learning Interactions and Relationships Between Movie Characters* Paris, France September 2019

## TEACHING

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### Master Students:

Noor Ahmed: *Towards Better Generalization via Orthogonality and Contrast for Few-Shot Class-Incremental Learning* 2

Luisa Danalachi: *Incremental Domain Adaptation for Semantic Segmentation*

Enea Duka: *Learn and Transfer from Unintentional Actions to Anomalous Videos* 12

Skender Paturri: *Spatio-Temporal Action Detection*

### Bachelor Students:

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

## ACADEMIC ACTIVITIES

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**Coorganizing the WiCV workshop** in conjunction with ECCV 2020

Glasgow, UK

**Area Chair:** WACV 2024

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

**Top Reviewer:** AISTAT23, NeurIPS23