

Anna Kukleva

akukleva@mpi-inf.mpg.de

LinkedIn : <https://www.linkedin.com/in/annakukleva>

Personal: <https://annusha.github.io/>

Github : <https://github.com/Annusha>

EDUCATION

Universität des Saarlandes, Germany

Doctor of Philosophy

Bonn University, Germany

M.Sc. in Computer Science, GPA: 1.1/1.0 (Distinction)

Thesis: Learning Interactions and Relationships between Movie Characters [7]
January, 2020

Lomonosov Moscow State University, Russia

B.Sc. in Computer Science, GPA: 4.3/5.0

Thesis: Abandoned Objects Detection in Video Sequences [10]
June 2017

Lyceum "Second school", Russia

High school, GPA: 4.9/5.0

June 2013

EXPERIENCE

MPII: PhD Student

Saarbrücken, Germany

Topic: Video Understanding, Few-Shot Learning.
Supervisor: Bernt Schiele

February 2020 - Now

**Meta (Facebook): Research Intern
virtual**

Topic: Single Object Tracking
Manager: Heng Wang, Du Tran

Sep 2021 - Dec 2021

**Inria (Willow team): Research Intern
Paris, France**

Master thesis project [6]. Exploiting multimodalities (video and text) for interactions and relationships recognition in movies. Supervised by Makarand Tapaswi and Ivan Laptev

May 2019 - Nov 2019

**Uni Bonn: Research Assistant in CV lab
Bonn, Germany**

- Project on unsupervised action recognition with continuous temporal embedding, supervised by Hilde Kuehne and Juergen Gall, led to publication [8]
- Helping with conducting experiments, e.g. implementation of the input layer for Caffe framework in c++/python
- Transferring project from c++ to python for easiest reproducibility

Apr 2018 - Apr 2019

**Itelma: Software Engineering Intern
Moscow, Russia**

Traffic sign recognition using neural networks. Deep learning for embedded systems.

June 2017 - Oct 2017

PUBLICATIONS

- [1] Duka E.*, **Kukleva A.***, Schiele B. "Leveraging Self-Supervised Training for Unintentional Action Recognition", ECCVW 2022
- [2] Lin W., **Kukleva A.**, Sun K., Possegger H., Kuehne H., Bischof H. "CycDA: Unsupervised Cycle Domain Adaptation from Image to Video", ECCV 2022
- [3] Fan Y., Dai D., **Kukleva A.**, Schiele B. "CoSSL: Co-Learning of Representation and Classifier for Imbalanced Semi-Supervised Learning", CVPR 2022
- [4] Fan Y., **Kukleva A.**, Schiele B. "Revisiting Consistency Regularization for Semi-Supervised Learning", GCPR 2021

- [5] **Kukleva A.**, Kuehne H., Schiele B. "Generalized and Incremental Few-Shot Learning by Explicit Learning and Calibration without Forgetting", ICCV 2021
- [6] VidalMata R. G., Scheirer W. J., **Kukleva A.**, Cox D., Kuehne H. "Joint visual-temporal embedding for unsupervised learning of actions in untrimmed sequences", WACV 2021
- [7] **Kukleva A.**, Tapaswi M. and Laptev I. "Learning Interactions and Relationships between Movie Characters", CVPR 2020 (Oral)
- [8] **Kukleva A.***, Khan A.*, Farazi H. and Behnke S. "Utilizing Temporal Information in Deep Convolutional Network for Efficient Soccer Ball Detection and Tracking", RoboCup 2019 (Oral)
- [9] **Kukleva A.***, Kuehne H.*, Sener F. and Gall J. "Unsupervised learning of action classes with continuous temporal embedding", CVPR 2019
- [10] **Kukleva A.**, Konushin V. and Konushin A. "Abandoned Objects Detection in Video Sequences", GraphiCon 2017 (Oral)

ADDITIONAL ACTIVITIES

Compuer Vision Talks **YouTube Jan 2022**
 Talk: "Generalized and Incremental Few-Shot Learning by Explicit Learning and Calibration without Forgetting"

Grace-Hopper-Award **Bonn University July 2021**
 Master Thesis Award

6th Christmas Colloquium on Computer Vision 2020 **Dec 2020**
Virtual by Samsung AI Center Moscow
 Talk: "Learning interactions and relationships between Movie Characters"

DLCV Practioner's Evening **Virtual Aug 2020**
 Talk: "Learning interactions and relationships between Movie Characters"

Coorganizing the WiCV workshop in conjunction with ECCV 2020
Glasgow, UK

Visit of CMU (Abhinav Gupta's group) **Pittsburgh, USA Jan 2020**
 Talk: "Video Understanding"

WILLOW-ENPC-Berkeley Workshop on Vision and Robotics **Nov 2019**
Paris, France
 Talk: "Learning Interactions and Relationships between Movie Characters"

BMVA symposium on Video Understanding **Sep 2019**
London, UK
 Poster: Kukleva A.*, Kuehne H.*, Sener F. and Gall J. "Unsupervised learning of action classes with continuous temporal embedding"

Workshop Women in Computer Vision (WiCV 2019) **June 2019**
Long Beach, USA
 Travel Grant receiver.
 Poster: Kukleva A.*, Kuehne H.*, Sener F. and Gall J. "Unsupervised learning of action classes with continuous temporal embedding"

TEACHING

Probabilistic Graphical Models, WS2020
 Enea Duka: master thesis "Learn and Transfer from Unintentional Actions to Anomalous Videos"
 Skender Paturri: master thesis "Spatio-Temporal Action Detection"

ACADEMIC SERVICE TECHNICAL SKILLS

reviewer: CVPR21-23, ICCV21,, ECCV22, PAMI, IJCV, WACV21-22, TMM, ACMMM21

Python, C++, C, bash, L^AT_EX, OpenCV, PyTorch, TensorFlow, Numpy, Scipy, Matplotlib, Caffe, PyQt/Qt, OpenGL