

Chiara Plizzari

BORN · 9 MARCH 1995, ITALY

Ph.D. Student @ PoliTO

✉ chiara.plizzari@polito.it | 🏠 chiaraplizz.github.io | 📱 Chiaraplizz | 📺 chiara-plizzari | 🎓 Chiara's Scholar



Research Interests

Video Understanding, Egocentric Vision, Vision and Language, Vision and Sound, Domain Adaptation and Generalization, 4D scene understanding

Education

Politecnico di Torino

Turin, Italy

PH.D. IN COMPUTER AND CONTROL ENGINEERING (FOCUS ON COMPUTER VISION)

September 2020 - now

- Main topic: "Self-Supervised Cross-Domain Activity Classification from Multiple Information Channels"
- Supervised by Prof. [Barbara Caputo](#) in the Visual and Multi-Modal Applied Learning group.
- ELLIS PhD student co-supervised by Prof. [Dima Damen](#).
- TA of the Machine Learning and Deep Learning M.Sc.
- Co-supervisor of 7 M.Sc. thesis
- Expected graduation date: October 2024

University of California, Berkeley

Berkeley, California

VISITING EXCHANGE

January 2023 - February 2023

- Visiting at the Berkeley Artificial Intelligence Research Lab (BAIR)
- Main topic: "4D Scene Understanding for Egocentric Vision"
- Supervised by Prof. [Dima Damen](#), collaboration with Prof. [Angjoo Kanazawa](#).

University of Bristol

Bristol, England

VISITING EXCHANGE

March 2022 - November 2022

- Main topic: "Domain Generalization for Egocentric Action Recognition"
- Supervised by Prof. [Dima Damen](#) in the Machine Learning and Computer Vision Group.

Istituto Italiano di Tecnologia (IIT)

Turin, Italy

RESEARCH GRANT

May 2020 - December 2020

- Research topic: "Cross-Domain Egocentric Action Recognition"
- Supervised by Prof. [Barbara Caputo](#). Funded by RoboExNovo ERC grant.

Politecnico di Milano

Milan, Italy

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

September 2017 - April 2020

- Core focus in Data Science and Artificial Intelligence
- International Exchange @ Utrecht University, Netherlands (September 2018 - March 2019)
- Final Grade: 110 Cum Laude / 110
- Master Thesis "Spatial Temporal Transformer Network for Skeleton-based Activity Recognition"
- Supervised by Prof. [Matteo Matteucci](#).

Politecnico di Milano

Milan, Italy

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING

September 2014 - July 2017

- Final Project on Software Engineering: Java implementation of the board game "Lorenzo Il Magnifico"

Skills

Programming Python, C, Java, R

Frameworks NumPy, Pandas, PyTorch, TensorFlow

Languages Italian (Native Speaker), English (C1-TOEFL, TOEIC, FIRST (FCE)), German (Basic)

Selected Awards

June 2023 **Second Place**, EPIC-Kitchens Action Recognition Challenge @ CVPR2023

Vancouver

June 2021 **Third Place**, EPIC-Kitchens Action Recognition Challenge @ CVPR2021

Virtual

Selected Publications

* Equal Contribution

Plizzari*, C., Goletto*, G., Furnari*, A., Bansal*, S., Ragusa*, F., Farinella, G., Damen, D., Tommasi, T., **An Outlook into the Future of Egocentric Vision**, under submission at [IJCV \(Q1 Journal\)](#) [Paper]

Plizzari, C., Perrett, T., Caputo, B., Damen, D., **What can a cook in Italy teach a mechanic in India? Action Recognition Generalisation Over Scenarios and Locations**, [ICCV 2023 \(Top Conference\)](#) [Paper][Page]

Nasirimajd, A., Peirone, S., **Plizzari, C.**, Caputo, B., **EPIC-KITCHENS-100 Unsupervised Domain Adaptation Challenge: Mixed Sequences Prediction**, [EPIC@CVPR2023 Workshop](#), Second Place at the EPIC-Kitchens Action Recognition Challenge at CVPR 2023. [Paper]

Plizzari*, C., Planamente*, M., Goletto, G., Cannici, M., Gusso, E., Matteucci, M., Caputo, B., **E²(GO)MOTION: Motion Augmented Event Stream for Egocentric Action Recognition**, [CVPR 2022 \(Top Conference\)](#)[Paper][Dataset]

Planamente*, M., **Plizzari*, C.**, Alberti, E., Caputo, B., **Domain Generalization through Audio-Visual Relative Norm Alignment in First Person Action Recognition**, [WACV 2022 \(Conference\)](#) [Paper]

Plizzari*, C., Planamente*, M., Alberti, E., Caputo, B., **PoliTO-IIT Submission to the EPIC-KITCHENS-100 Unsupervised Domain Adaptation Challenge for Action Recognition**, [EPIC@CVPR2021 Workshop](#), Third Place at the EPIC-Kitchens Action Recognition Challenge at CVPR 2021. [Paper]

Planamente*, M., **Plizzari*, C.**, Cannici*, M., Ciccone, M., Strada, F., Bottino, A., Matteucci, M., Caputo, B., **DA4Event: towards bridging the Sim-to-Real Gap for Event Cameras using Domain Adaptation**, [RA-L, IROS 2021 \(Q1 Journal + Top Conference\)](#) [Paper][Page]

Plizzari, C., Cannici, M., Matteucci, M., **Skeleton-based action recognition via spatial and temporal transformer networks**, [CVIU 2021 \(Q1 Journal\)](#) [Paper]

Invited Talks

Invited speaker @ I-RIM Conference

TITLE: CROSS-DOMAIN EGOCENTRIC ACTION RECOGNITION

Rome, Italy

October 2023

Paper Presentation @ Visual AI group, Oxford

TITLE: WHAT CAN A COOK IN ITALY TEACH A MECHANIC IN INDIA? ACTION RECOGNITION GENERALISATION OVER SCENARIOS AND LOCATIONS

Virtual

December 2022

Seminar Talk @ Machine Learning and Computer Vision group

TITLE: CROSS-DOMAIN ACTION RECOGNITION FROM MULTIPLE INFORMATION CHANNELS

University of Bristol, England

April 2022

Selected Activities

2023 **Organizer**, Organizer of [Women In Computer Vision Workshop \(WiCV\)@ICCV 2023](#) *Paris, France*

2022 **Summer School**, Participation at the [International Computer Vision Summer School \(ICVSS 2022\)](#) *Catania, Italy*

2021 **Staff Member**, in the organization of [I-RIM 2021 Conference](#) *Rome, Italy*

2021-now **Reviewer**, ICCV, CVPR, ECCV, WACV, ICPR, IROS, NIPS, IEEE Signal Processing Letters, Applied Intelligence, Robotics and Automation Letters, Computer Vision and Image Understanding, IEEE Transactions on Multimedia, International Journal of Multimedia Information Retrieval, Pattern Recognition *Online*

Teaching

2021-2023 **Teaching Assistant**, in Machine Learning and Deep Learning M.Sc. course *Politecnico di Torino*

2020-2023 **Master Thesis Co-Supervisor**, I co-supervised 7 M.Sc. thesis (6 with Prof. Barbara Caputo, 1 with Prof. Dima Damen). *Politecnico di Torino, University of Bristol*