

Chiara Plizzari

✉ chiaraplizzari@gmail.com | 🌐 chiaraplizz.github.io | 📱 [Chiaraplizz](#) | 🌐 [chiara-plizzari](#) | 🎓 [Chiara's Scholar](#)



Research Interests

Computer Vision, Video Understanding, Multi-Modal Learning, Egocentric Vision, Vision and Language, Domain Adaptation and Generalization, 4D Scene Understanding

Employment

Postdoctoral Researcher @ Smart Eyewear Lab

Milan, Italy

January 2025 - now

A JOINT RESEARCH CENTER BETWEEN ESSILORLUXOTTICA AND POLITECNICO DI MILANO

- In the group of Prof. [Matteo Matteucci](#).
- Currently co-supervising 2 M.Sc. student and a Ph.D. student.

Student Researcher @ Google Research

Google, Zurich

April 2024 - November 2024

RESEARCH TOPIC: MULTI-MODAL LARGE LANGUAGE MODELS FOR VIDEO UNDERSTANDING

- In the Computer Vision and Machine Learning group led by [Federico Tombari](#).

Education

Politecnico di Torino

Turin, Italy

September 2020 - January 2024

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

- Main topic: “Egocentric Video Understanding across Modalities and Domains”
- 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. course.
- Co-supervisor of 7 M.Sc. thesis

University of California, Berkeley

Berkeley, California

January 2023 - February 2023

VISITING EXCHANGE

- 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

March 2022 - November 2022

VISITING EXCHANGE

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

Istituto Italiano di Tecnologia (IIT)

Turin, Italy

May 2020 - December 2020

RESEARCH GRANT

- Research topic: “Cross-Domain Video Understanding”
- Supervised by Prof. [Barbara Caputo](#). Funded by RoboExNovo ERC grant.

Politecnico di Milano

Milan, Italy

September 2017 - April 2020

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

- 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

September 2014 - July 2017

B.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Awards

Sep. 2024	Best PhD Award , among Ph.D. of the 36th cycle at Politecnico di Torino	Torino
Oct. 2023	Doctoral Consortium , Selected as a mentee @ ICCV23	Paris
June 2023	Second Place , EPIC-Kitchens Action Recognition Challenge @ CVPR2023	Vancouver
June 2021	Third Place , EPIC-Kitchens Action Recognition Challenge @ CVPR2021	Virtual
Nov. 2019	Second Place , ACE Datathon 2019 - Analytics Club ETH	ETH University, Zurich

Teaching

2022-2023	Teaching Assistant , in Machine Learning and Deep Learning M.Sc. course	Politecnico di Torino
2021-2022	Teaching Assistant , in Machine Learning and Deep Learning M.Sc. course	Politecnico di Torino
2023	Master Thesis Co-Supervisor , Title: Skeleton-based Pose Estimation from Videos, Candidate: Marchetti, E.	Politecnico di Torino
2023	Master Thesis Co-Supervisor , Title: Egocentric 3D Scene Understanding, Candidate: Borgna, F.	Politecnico di Torino
2023	Master Thesis Co-Supervisor , Title: Large Language Models for Domain Adaptation in Egocentric Action Recognition, Candidate: Nasirimajd, A.	Politecnico di Torino
2023	Master Thesis Co-Supervisor , Title: Pseudo-label Techniques for Domain Adaptation, Candidate: Guerrier, R.	University of Bristol
2021	Master Thesis Co-Supervisor , Title: Test-Time Adaptation for Action Recognition, Candidate: Neubert, J., Peirone, S.	Politecnico di Torino
2021	Master Thesis Co-Supervisor , Title: Domain Adaptation for Egocentric Action Recognition, Candidate: Zaccone, R.	Politecnico di Torino
2020	Master Thesis Co-Supervisor , Title: Event-data for cross-domain analysis in first-person action recognition, Candidates: Goletto, G., Gusso, E.	Politecnico di Torino
2019-2020	Tutor , in Data Mining	Politecnico di Milano

Publications

* Equal Contribution

Plizzari, C., Tonioni, A., Xian, Y., Kulshrestha, A., Tombari, F., **Omnia de EgoTempo: Benchmarking Temporal Understanding of Multi-Modal LLMs in Egocentric Videos**, [Under Submission](#)

Quan, H., Goudarzi, M., **Plizzari, C.**, Palermo, F., Mentasti, S., Trojaniello, D., Matteucci, M., **Human Detection and Pose Estimation in Privacy Preserving Scenarios**, [Under Submission](#)

Nasirimajd, A., **Plizzari, C.**, Peirone, S., Ciccone, M., Averta, G., Caputo, B., **Domain Generalization using Action Sequences for Egocentric Action Recognition**, [Under Submission](#)

Plizzari, C., Goel, S., Perrett, T., Chalk, J., Kanazawa, A., Damen, D., **Spatial Cognition from Egocentric Video: Out of Sight, Not Out of Mind**, [3DV 2025 \(Top Conference\)](#). [[Paper](#)][[Page](#)]

Planamente, M., **Plizzari, C.**, Peirone, S., Caputo, B., Bottino, A., **Relative Norm Alignment for Tackling Domain Shift in Deep Multi-modal Classification**, [IJCV \(Q1 Journal\)](#). [[Paper](#)]

Plizzari*, C., Goletto*, G., Furnari*, A., Bansal*, S., Ragusa*, F., Farinella, G., Damen, D., Tommasi, T., **An Outlook into the Future of Egocentric Vision**, [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](#)]

Neubert, J., Planamente, M., **Plizzari, C.**, Caputo, B., **LCMV: Lightweight Classification Module for Video Domain Adaptation**, [ICIAP 2023 \(Conference\)](#) [[Paper](#)]

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., Caputo, B., **Test-Time Adaptation for Egocentric Action Recognition**, [ICIAP 2022 \(Conference\)](#) [[Paper](#)]

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]

Cannici*, M., Plizzari*, C., Planamente*, M., Ciccone, M., Bottino, A., Caputo, B., Matteucci, M., **N-ROD: A Neuromorphic Dataset for Synthetic-to-Real Domain Adaptation**, [CVPRW 2021 \(Workshop\)](#)[Paper][Page]

Plizzari, C., Cannici, M., Matteucci, M., **Spatial Temporal Transformer Network for Skeleton-based Activity Recognition**, [ICPRW 2021 \(Workshop\)](#) [Paper]

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

Invited Talks and Seminars

Seminar @ University of Catania

Catania, Italy

VIDEO UNDERSTANDING ACROSS MODALITIES AND DOMAINS

April 2024

- Invited by Prof. [Giovanni Maria Farinella](#), leading the *Image Processing Laboratory*.

Seminar @ Utrecht University

Utrecht, Netherlands

CROSS-DOMAIN EGOCENTRIC ACTION RECOGNITION

December 2023

- Invited by Prof. [Ronald Poppe](#), leading the *Computer Vision group*.

Invited Speaker @ I-RIM Conference

Rome, Italy

CROSS-DOMAIN EGOCENTRIC ACTION RECOGNITION

October 2023

Paper Presentation @ University of Oxford, England

Virtual

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

December 2022

- Presented in the *Visual AI group* led by Prof. [Andrew Zisserman](#)

Seminar Talk @ University of Bristol, England

Bristol, England

CROSS-DOMAIN ACTION RECOGNITION FROM MULTIPLE INFORMATION CHANNELS

April 2022

- Invited by Prof. [Dima Damen](#), in the *Machine Learning and Computer Vision group*.

Community Engagements

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, Robotics and Automation Letters, Computer Vision and Image Understanding, IEEE Transactions on Multimedia, International Journal of Computer Vision, International Journal of Multimedia Information Retrieval, Pattern Recognition, Transactions on Pattern Analysis and Machine Intelligence	Online
2021	Summer School , Participation at the 4th International School on Deep Learning	Las Palmas de Gran Canaria, Spain

Skills

Programming	Python, C, Java, R
Frameworks	NumPy, Pandas, PyTorch, TensorFlow
Languages	Italian (Native Speaker), English (C1-TOEFL, TOEIC, FIRST (FCE)), German (Basic)