

Chiara Plizzari

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Research Interests

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

Employment

Assistant Professor @ Bocconi University

IN THE DEPARTMENT OF COMPUTING SCIENCES

Milan, Italy

September 2025 - now

Postdoctoral Researcher @ Politecnico di Milano

IN THE SMART EYEWEAR LAB

Milan, Italy

January 2025 - August 2025

- In the group of Prof. [Matteo Matteucci](#).
- Co-supervised 4 M.Sc. student and a Ph.D. student.

Student Researcher @ Google Research

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

Google, Zurich

April 2024 - November 2024

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

Education

Politecnico di Torino

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

Turin, Italy

September 2020 - January 2024

- 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

VISITING EXCHANGE

Berkeley, California

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

VISITING EXCHANGE

Bristol, England

March 2022 - November 2022

- 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)

RESEARCH GRANT

Turin, Italy

May 2020 - December 2020

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

Politecnico di Milano

M.Sc. IN COMPUTER SCIENCE AND ENGINEERING

Milan, Italy

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](#).

Awards

Jan. 2025	First Place , HD-EPIC VQA Challenge @ CVPR 2025	<i>Nashville</i>
Sep. 2024	Best PhD Award , among Ph.D. of the 36th cycle at Politecnico di Torino	<i>Torino</i>
Oct. 2023	Doctoral Consortium , Selected as a mentee @ ICCV23	<i>Paris</i>
June 2023	Second Place , EPIC-Kitchens Action Recognition Challenge @ CVPR2023	<i>Vancouver</i>
June 2021	Third Place , EPIC-Kitchens Action Recognition Challenge @ CVPR2021	<i>Virtual</i>
Nov. 2019	Second Place , ACE Datathon 2019 - Analytics Club ETH	<i>ETH University, Zurich</i>

Teaching

2025-2026	Currently Teaching , Deep Learning for Computer Vision M.Sc. course	<i>Bocconi University</i>
2022-2023	Teaching Assistant , in Machine Learning and Deep Learning M.Sc. course	<i>Politecnico di Torino</i>
2021-2022	Teaching Assistant , in Machine Learning and Deep Learning M.Sc. course	<i>Politecnico di Torino</i>
2023	Master Thesis Co-Supervisor , Title: Skeleton-based Pose Estimation from Videos, Candidate: Marchetti, E.	<i>Politecnico di Torino</i>
2023	Master Thesis Co-Supervisor , Title: Egocentric 3D Scene Understanding, Candidate: Borgna, F.	<i>Politecnico di Torino</i>
2023	Master Thesis Co-Supervisor , Title: Large Language Models for Domain Adaptation in Egocentric Action Recognition, Candidate: Nasirimajd, A.	<i>Politecnico di Torino</i>
2023	Master Thesis Co-Supervisor , Title: Pseudo-label Techniques for Domain Adaptation, Candidate: Guerrier, R.	<i>University of Bristol</i>
2021	Master Thesis Co-Supervisor , Title: Test-Time Adaptation for Action Recognition, Candidate: Neubert, J., Peirone, S.	<i>Politecnico di Torino</i>
2021	Master Thesis Co-Supervisor , Title: Domain Adaptation for Egocentric Action Recognition, Candidate: Zaccone, R.	<i>Politecnico di Torino</i>
2020	Master Thesis Co-Supervisor , Title: Event-data for cross-domain analysis in first-person action recognition, Candidates: Goletto, G., Gusso, E.	<i>Politecnico di Torino</i>

Publications

* Equal Contribution

Quan, H., Goudarzi, M., **Plizzari, C.**, Palermo, F., Mentasti, S., Trojaniello, D., Matteucci, M., **Human Detection and Pose Estimation in Privacy Preserving Scenarios**, [ICIAP 2025 \(Conference\)](#)

Nasirimajd, A., **Plizzari, C.**, Peirone, S., Ciccone, M., Averta, G., Caputo, B., **Domain Generalization using Action Sequences for Egocentric Action Recognition**, [Pattern Recognition Letters 2025 \(Q1 Journal\)](#) [Paper]

Plizzari, C., Tonioni, A., Xian, Y., Kulshrestha, A., Tombari, F., **Omnia de EgoTempo: Benchmarking Temporal Understanding of Multi-Modal LLMs in Egocentric Videos**, [CVPR 2025 \(Top Conference\)](#) [Paper][Page]

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 @ Bocconi University

FROM VISION TO PERCEPTION: LEARNING FROM VIDEOS

- In the Computing Sciences Department.

Milan, Italy

April 2025

Seminar @ University of Catania

VIDEO UNDERSTANDING ACROSS MODALITIES AND DOMAINS

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

Catania, Italy

April 2024

Seminar @ Utrecht University

CROSS-DOMAIN EGOCENTRIC ACTION RECOGNITION

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

Utrecht, Netherlands

December 2023

Invited Speaker @ I-RIM Conference

CROSS-DOMAIN EGOCENTRIC ACTION RECOGNITION

Rome, Italy

October 2023

Paper Presentation @ University of Oxford, England

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

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

Virtual

December 2022

Seminar Talk @ University of Bristol, England

CROSS-DOMAIN ACTION RECOGNITION FROM MULTIPLE INFORMATION CHANNELS

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

Bristol, England

April 2022

Community Engagements

2026	Associate Chair , of the conference VISAPP 2026	<i>Marbella, Spain</i>
2023	Organizer , Organizer of Women In Computer Vision Workshop (WiCV)@ICCV 2023	<i>Paris, France</i>
2022	Summer School , Participation at the International Computer Vision Summer School (ICVSS 2022)	<i>Catania, Italy</i>
2021	Staff Member , in the organization of I-RIM 2021 Conference	<i>Rome, Italy</i>
2021-now	Reviewer , ICCV, CVPR, ECCV, WACV, ICPR, IROS, NIPS, RA-L, CVIU, IJCV, T-PAMI	<i>Online</i>
2021	Summer School , Participation at the 4th International School on Deep Learning	<i>Las Palmas de Gran Canaria, Spain</i>

Skills

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