

Form to collect the information relevant for the PhD Quality Awards

PhD Student information

Surname	Plizzari
Name	Chiara
PhD Cycle	XXXVI
Tutor	Barbara Caputo

Participation in Research Projects (add as many rows as necessary, 1 row per project)

Project name and short description	Competitive Selection	Project Scope	From	To	Role in project	Notes
Spatial Temporal Transformer Network for Skeleton-Based Action Recognition	No	I	May 2020	April 2021	PL	Project in collaboration with Politecnico di Milano (Prof. Matteo Matteucci), work published on CVIU journal and at the International Conference on Pattern Recognition (ICPR), at the Workshop on Facial and Body Expressions, micro-expressions and behavior recognition
Domain generalization through audio-visual relative norm alignment in first person action recognition	No	I	May 2020	August 2021	PL	Work published at the IEEE/CVF Winter Conference on Applications of Computer Vision; its extension it's currently under review at the International Journal of Computer Vision (IJCV)
N-ROD: a Neuromorphic Dataset for Synthetic-to-Real Domain Adaptation	No	I	December 2020	June 2021	PL	Project in collaboration with Politecnico di Milano (Prof. Matteo Matteucci); work published at the IEEE/CVF Conference on Computer Vision and Pattern Recognition, at https://tub-rip.github.io/eventvision2021/
DA4Event: towards bridging the Sim-to-Real Gap for Event Cameras using Domain Adaptation	No	I	December 2020	March 2021	PL	Project in collaboration with Politecnico di Milano (Prof. Matteo Matteucci), work published at the IEEE Robotics and Automation Letters journal and at IEEE/RSJ International Conference on Intelligent Robots and Systems conference
PoliTO-IIT Submission to the EPIC-KITCHENS-100 Unsupervised Domain Adaptation	No	I	March 2021	June 2021	PL	Winner of 3 rd place on the EPIC-Kitchens challenge at the IEEE/CVF Conference on Computer Vision and Pattern

Challenge for Action Recognition						Recognition, at https://epic-workshop.org/EPIC_CVPR21/
Egocentric Event-data for cross-domain analysis in first-person action recognition	No	I	June 2021	September 2021	P	Co-supervised a Master Thesis project of two master students (with Dr. Mirco Planamente and Prof. Barbara Caputo)
E2(GO)MOTION: Motion Augmented Event Stream for Egocentric Action Recognition	No	I	June 2021	February 2022	PL	Project in collaboration with Politecnico di Milano (Prof. Matteo Matteucci); work published at the IEEE/CVF Conference on Computer Vision and Pattern Recognition
Test-Time Adaptation for Egocentric Action Recognition	No	I	December 2021	March 2022	PL	Work published at the International Conference on Image Analysis and Preprocessing
What can a cook in Italy teach a mechanic in India? Action Recognition Generalisation Over Scenarios and Locations	No	I	March 2022	March 2023	PL	Project in collaboration with University of Bristol (Prof. Dima Damen); work accepted at the International Conference on Computer Vision
Relative-Norm-Alignment in higher norm feature space for Cross-Domain First Person Action Recognition	No	I	September 2022	September 2023	P	Co-supervised a Master Thesis project (with Dr. Mirco Planamente and Prof. Barbara Caputo)
Pseudo-label Techniques for Domain Adaptation	No	I	September 2022	May 2023	P	Co-supervision of a Master Thesis project at University of Bristol (with Prof. Dima Damen)
LCMV: Lightweight Classification Module for Video Domain Adaptation	No	I	March 2022	July 2023	P	Co-supervision of a Master Thesis project (with Dr. Mirco Planamente and Prof. Barbara Caputo); the work has been accepted at the International Conference on Image Analysis and Preprocessing
EPIC-KITCHENS-100 Unsupervised Domain Adaptation Challenge: Mixed Sequences Prediction	No	I	November 2022	Now	PL	I supervised a Master Thesis project; the project won 2 nd place on the EPIC-Kitchens challenge at the IEEE/CVF Conference on Computer Vision and Pattern Recognition, at https://epic-workshop.org/EPIC_CVPR23/ We are currently extending it and planning to submit it to the IEEE Robotics and Automation Letters journal and at IEEE/RSJ International Conference on Intelligent

						Robots and Systems conference.
Egocentric Vision Survey	No	I	December 2022	Now	PL	Project in collaboration with University of Bristol (Prof. Dima Damen) and University of Catania (Prof. Giovanni Farinella), to be submitted at the International Journal of Computer Vision (IJCV)
Egocentric 3D scene understanding: the lifetime of an object	No	I	March 2023	Now	PL	Project in collaboration with University of California, Berkeley (Prof. Angjoo Kanazawa) and University of Bristol (Prof. Dima Damen), to be submitted at the at the IEEE/CVF Conference on Computer Vision and Pattern Recognition
Egocentric 3D scene understanding and open vocabulary	No	I	August 2023	-	P	Co-supervision of a Master Thesis project (with Prof. Tatiana Tommasi)
Skeleton-base Pose Estimation	No	I	August 2023	-	P	Co-supervision of a Master Thesis project (with Prof. Giuseppe Averta)

Teaching Activities in University Courses (add as many rows as necessary, 1 row per activity)

Name of the course where the activity has been done	Course type	Course CFUs	Academic year	Role in course	number of hours of teaching <i>done</i>	CPD evaluation (if any)	Notes
Machine learning and Deep learning	M	10	2021/2022	T+E+L	12		
Machine learning and Deep learning	M	10	2022/2023	T+E+L	54		

Research Dissemination Activities (add as many rows as necessary, 1 row per activity)

Dissemination activity name	Date	Link	Description	Notes
Spatial Temporal Transformer Network for Skeleton-Based Action Recognition	January 2021	https://www.micc.unifi.it/icpr2020/	Oral presentation at the ICPR 2021 conference at the Workshop on Facial and Body Expressions, micro-expressions and behavior recognition (<i>virtual</i>)	
PoliTO-IIT Submission to the EPIC-	June 2021	https://epic-workshop.org/EPIC_CVPR21/	Oral presentation at the CVPR 2021 conference at the	

KITCHENS-100 Unsupervised Domain Adaptation Challenge for Action Recognition			EPIC workshop (<i>virtual</i>)	
DA4Event: towards bridging the Sim-to-Real Gap for Event Cameras using Domain Adaptation	September 2021	https://www.ieee-ras.org/component/rseventspro/event/2021-iros-2021	Oral presentation at IROS 2021 conference (<i>virtual</i>)	
Organization of I-RIM 2021 Conference	October 2021	https://i-rim.it/en/i-rim-2021-conference/	Staff member	
Domain generalization through audio- visual relative norm alignment in first person action recognition	January 2022	https://wacv2022.thecvf.com/home	Oral presentation at the WACV 2022 conference (<i>virtual</i>)	
A Framework for Real-World Egocentric Action Recognition	February 2022	https://www.ital-ia2022.it/	Oral presentation at Ital-IA, il secondo Convegno Nazionale CINI sull'Intelligenza Artificiale (<i>virtual</i>)	
E2(GO)MOTION: Motion Augmented Event Stream for Egocentric Action Recognition	June 2022	https://cvpr2022.thecvf.com/ https://epic-workshop.org/EPIC_CVPR22/	Oral & Poster presentation at the CVPR 2022 conference and at the EPIC workshop	
Talk: Cross- domain Action Recognition from Multiple Information Channels	April 2022	https://uob-mavi.github.io/meetings/	Seminar talk at University of Bristol	
Motion Augmented Event Stream for Egocentric Action Recognition	July 2022	https://iplab.dmi.unict.it/icvss2022/	Poster presentation at the International Computer Vision Summer School (ICVSS 2022)	
PhD DAUIN (Poster) Day	October 2022	http://www.phd-dauin.polito.it/phd-poster-day-2022.html	* I had a poster but couldn't present it in person as I was at Bristol for my visiting	
EPIC- KITCHENS-100 Unsupervised Domain	June 2023	https://epic-workshop.org/EPIC_CVPR23/	Oral presentation at the CVPR 2023 conference at the EPIC workshop	

Adaptation Challenge: Mixed Sequences Prediction				
Organizer of Women In Computer Vision Workshop (WICV)@ICCV 2023	March 2023-now	https://sites.google.com/view/wicv/	Workshop Organization	
LCMV: Lightweight Classification Module for Video Domain Adaptation	September 2023	https://sites.google.com/view/iciap-2023	Poster presentation at ICIAP 2023	
What can a cook in Italy teach a mechanic in India? Action Recognition Generalisation Over Scenarios and Locations	October 2023	https://iccv2023.thecvf.com/	Poster presentation at ICCV 2023	
Doctoral Consortium at ICCV 2023	October 2023	https://iccv2023.thecvf.com/call.for.participation-363200-2-30-32.php	Poster presentation	
Talk: Cross-domain Action Recognition from Multiple Information Channels	October 2023	https://i-rim.it/it/conferenza-i-rim-2023/	Invited speaker at I-RIM 2023 conference	

Participation in Contracts with Industrial Companies (add as many rows as necessary, 1 row per contract)

Contract name and short description	Company name	From	To	Role in contract	Notes

Patents (add as many rows as necessary, 1 row per patent)

Patent title	Patent Type	Last patent status	Date	Notes

Technology Transfer Activities (add as many rows as necessary, 1 row per activity)

Technology Transfer Activity Description	From	To	Role in activity	Notes

Awards (add as many rows as necessary, 1 row per award)

Award Description	Date	Type	Notes
3 rd place to Unsupervised Domain Adaptation Challenge at IEEE/CVF Computer Vision and Pattern Recognition conference	June 2021	Challenge award	
2 nd place to Unsupervised Domain Adaptation Challenge at IEEE/CVF Computer Vision and Pattern Recognition conference	June 2023	Challenge award	