


# IRENE CANNISTRACI

PhD Student in CS | Visiting Researcher @ Helmholtz Munich

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 Scholar


## EDUCATION

- Ph.D. in Computer Science

Sapienza University of Rome

Nov 2020 - Present

Rome, Italy

Part of the GLADIA group, advised by prof. Emanuele Rodolà .
- M.Sc. in Computer Science

Sapienza University of Rome

Sep 2018 - Oct 2020

Rome, Italy

Grade: 110/110 cum laude
- B.Sc. in Computer Science

Sapienza University of Rome

Sep 2013 - Mar 2017

Rome, Italy

## EXPERIENCE

- International Research Visit

Institute of AI for Health, Helmholtz Munich

Feb 2024 - Present

Munich, Germany

Part of the AIDOS Lab, led by prof. Bastian Rieck .
- Teaching Assistant

LUISS Guido Carli University

Sept 2023 - Present

Rome, Italy

Lectured and mentored 40+ students for the Data Science in Action MSc course, and designed and implemented the course lab sessions.
- Teaching Assistant

Sapienza University of Rome

Feb 2023 - Jun 2023

Rome, Italy

Lectured and mentored 80+ students for the Deep Learning and Applied AI  MSc course.
- Software Developer Engineer

NTT Data

Jun 2017 - Feb 2019

Rome, Italy

Developing multiple software for several international customers such as Enel and Telecom.

## SELECTED PUBLICATIONS

### Peer reviewed

- [1]

I. Cannistraci, L. Moschella, M. Fumero, V. Maiorca, and E. Rodolà. “From Bricks to Bridges: Product of Invariances to Enhance Latent Space Communication”. In: *The Twelfth International Conference on Learning Representations (ICLR 2024, spotlight, top 5%)*. 2024. URL: <https://openreview.net/forum?id=vngVydWft>.
- [2]

I. Cannistraci, L. Moschella, V. Maiorca, M. Fumero, A. Norelli, and E. Rodolà. “Bootstrapping Parallel Anchors for Relative Representations”. In: *The First Tiny Papers Track at ICLR 2023, Tiny Papers @ ICLR 2023, Kigali, Rwanda, May 5, 2023*. Ed. by K. Maughan, R. Liu, and T. F. Burns. OpenReview.net, 2023. URL: <https://openreview.net/pdf?id=VBuUL2IWlq>.
- [3]

D. Crisostomi, I. Cannistraci, L. Moschella, P. Barbiero, M. Ciccone, P. Liò, and E. Rodolà. “From Charts to Atlas: Merging Latent Spaces into One”. In: *NeurIPS 2023 Workshop on Symmetry and Geometry in Neural Representations (NeurReps @ NeurIPS 2023)* (2023). URL: <https://arxiv.org/abs/2311.06547>.

### Preprints

- [4]

I. Cannistraci, M. Fumero, L. Moschella, V. Maiorca, and E. Rodolà. “Infusing invariances in neural representations”. In: *Extended Abstract, TAG-ML workshop @ ICML 2023* (2023). URL: <https://openreview.net/pdf?id=mCm4iiNoNc>.

## AWARDS

- Helmholtz Visiting Researcher Grant

Feb 2024

Three months **fully-funded research stay** at the Helmholtz Munich Institute .
- Kickstarting Research Funding

Nov 2022

Research grant of **EUR 1000** for young researchers and Ph.D. students.
- Zonta International Scholarship

Mar 2022

One of the 20 awardees of the Women in Technology Scholarship of **USD \$8000** .
- B.Sc. Tuition Fees

2014-2017

Sponsored for academic merits by Sapienza to cover **entire B.Sc. tuition fees**.

## SELECTED TALKS

- Unifying Representations by Infusing Invariances in the Latent Space

Tübingen AI center

Jun 2022
- Communicating between latent spaces with limited semantic correspondence


Trento AI Journal Club


Mar 2022
- Panelist @ Women in Data Science

WiDS Rome Event, Virtual

Jun 2021


## PROFESSIONAL ACTIVITIES


-  Reviewer

IJCNN 2023; Re-Align@ICLR2023; NeurReps, UniReps, New in ML, WiML @NeurIPS2023; ICIAP 2023; ACM TKDD 2021
-  Volunteering

WiML@NeurIPS2023

## ATTENDED


-  Conferences


NeurIPS 2023, ICML 2023, Lightning DevCon 2022
-  Summer Schools

EEML 2023, MLSSS 2023, M2L 2022

## REFEREES

- Prof. Emanuele Rodolà *ERC grantee*

 Sapienza University of Rome

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