

FRANCESCO MORRI | Curriculum Vitae

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GitHub



LinkedIn



Personal Page

SUMMARY

I am interested in working with AI and complex systems. In particular I like to develop learning models with multiple agents interacting.

CURRENT POSITION

PHD AT INRIA-LILLE

INOCS Team

Under the funding AL_PHD@Lille

Oct 2022 - ongoing

Lille, France

EDUCATION

UNIVERSITÀ DI BOLOGNA

BSc in Physics

Oct 2017-Sep 2020

Bologna, Italy

SISSA & ICTP

Visiting Student

Sep 2020-Jan 2021

Trieste, Italy

POLITECNICO DI TORINO

MSc in Physics of Complex Systems (International Track)

Final Grade 110/110 cum laude

Sep 2020-Oct 2022

Turin, Italy

SORBONNE UNIVERSITÉ

Program of the Master (i-PCS track)

Final Mark: 16/20 (Très Bien)

Sep 2021-Jan 2022

Paris, France

SPRING COLLEGE IN COMPLEX SYSTEMS (ICTP)

List of Courses

Feb 2021-Mar 2022

Trieste, Italy

EXPERIENCE

RESEARCH INTERN (IPHT, CEA SACLAY)

Supervisor: Pierfrancesco Urbani

The project concerns the study of simple algorithms to solve continuous constraint satisfaction problems close to their satisfiability transition.

Mar 2022 - Jul 2022

Paris, France

VISITING STUDENT (POLYTECHNIQUE MONTRÉAL)

Supervisor: Quentin Cappart

The visit is part of the Galangal project, joining together researchers from Lille, Montréal and Edinburgh, to work on learning and optimization in electricity markets.

Nov 2023

Montréal, Canada

SKILLS

PROGRAMMING LANGUAGE

Experienced: Python | C++

Familiar: JavaScript

LIBRARIES

Python: PyTorch | Matplotlib | Numpy | Pandas

C++: ROOT | GSL

LANGUAGES

Native: Italian | Fluent: English | Intermediate: French

PUBLICATIONS

ON THE THERMODYNAMIC INTERPRETATION OF DEEP LEARNING SYSTEM 

2021

Authors: Rita Fioresi, Francesco Faglioni, Francesco Morri, Lorenzo Squadrani
Nielsen, F., Barbaresco, F. (eds) Geometric Science of Information. GSI 2021. Lecture
Notes in Computer Science(), vol 12829. Springer

**MULTI-AGENT REINFORCEMENT LEARNING FOR STRATEGIC BIDDING IN TWO-STAGE
ELECTRICITY MARKETS** 

2023

Authors: Francesco Morri, Hélène Le Cadre, Pierre Gruet, Luce Brotcorne
Abstract presented at [LION17](#) conference and [IMACS23](#) conference

WINNER CITYLEARN CHALLENGE 2023 (NEURIPS 23) 

2023

Authors: Francesco Morri, Andoni Irazusta
Winning solution for the NeurIPS CityLearn Challenge