

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 AI_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

Collaboration with Quentin Cappart, working on the Citylearn Challenge 2023, as part of the Galangal project, joining together researchers from Lille, Montréal and Edinburgh.

Nov 2023

Montréal, Canada

VISITING STUDENT (POLYTECHNIQUE MONTRÉAL)

Supervisor: Quentin Cappart

Collaboration with Quentin Cappart and Hanane Dagdougui, working on machine learning and optimization methods.

Jul 2024 - Sep 2024

Montréal, Canada

SKILLS

PROGRAMMING LANGUAGE LIBRARIES LANGUAGES

Experienced: Python | C++

Familiar: JavaScript

Python: PyTorch | Matplotlib | Numpy | Pandas

C++: ROOT | GSL

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

LEARNING IN STACKELBERG GAMES WITH APPLICATION TO STRATEGIC BIDDING IN THE ELECTRICITY MARKET

2024

Authors: Francesco Morri, Hélène Le Cadre, Pierre Gruet, Luce Brotcorne
EEM24, Jun 2024, Istanbul, Turkey

WINNING THE 2023 CITYLEARN CHALLENGE: A COMMUNITY-BASED HIERARCHICAL ENERGY SYSTEMS COORDINATION ALGORITHM

2024

Authors: Andoni I. Garmendia, Francesco Morri, Quentin Cappart, Hélène Le Cadre
ECAI2024, Sep 2024, Santiago de Compostela, Spain