

# 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 ALPHD@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

## 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** 🌐

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

2021

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

Authors: Francesco Morri, Hélène Le Cadre, Pierre Gruet, Luce Brotcorne

Abstract presented at [LION17](#) conference and [IMACS23](#) conference

2023