

Matteo Negri - Curriculum vitae

Publications

- 2020** **Wide flat minima and optimal generalization in classifying high-dimensional Gaussian mixtures**
Carlo Baldassi, Enrico M Malatesta, , Matteo Negri, Riccardo Zecchina
J. Stat. Mech. (2020) 124012
- 2019** **Natural representation of composite data with replicated autoencoders**
Matteo Negri, Davide Bergamini, Carlo Baldassi, Riccardo Zecchina, Christoph Feinauer
<https://arxiv.org/abs/1909.13327>
- 2018** **Spontaneous domain formation in disordered copolymers as a mechanism for chromosome structuring**
Matteo Negri, Marco Gherardi, Guido Tiana, Marco Cosentino Lagomarsino
Soft Matter, 2018,14, 6128-6136

Education

- 2018-** **PhD Student in Physics** - Politecnico di Torino, Torino (Italy)
Supervisor: prof. RICCARDO ZECCHINA
- 2014-2017** **Master Degree in Physics** - Università degli Studi di Milano, Milano (Italy)
Degree mark: 110/110 *cum laude*
Supervisor: prof. GUIDO TIANA
Thesis title: *SPONTANEOUS DOMAIN FORMATION IN A SIMPLE MODEL OF DISORDERED HETEROPOLYMERS*
- 2011-2014** **Bachelor Degree in Physics** - Università degli Studi di Milano, Milano (Italy)
Degree mark: 102/110
Supervisor: prof. DARIO TAMASCELLI
Thesis title: *GPU ACCELERATED WAVE-FUNCTION MONTE CARLO SIMULATION OF OUT OF EQUILIBRIUM SPIN CHAINS*
- 2006-2011** **Scientific High School Diploma**
Scientific High School "Russell", Garbagnate Milanese (Italy)
Diploma mark 100/100

Jobs, schools and relevant experiences

- Feb 2020** **Application to Recent progress in glassy systems**
Les Houches School of Physics, Les Houces (France)
- Sep 2019** **Speaker at Model-Guided Data Science Summer School**
Lake Como school of Advanced Studies, Como (Italy)
- 2018-** **Teaching assistant: Computer Programming**
BSc in Economics, Management and Computer Science
Università Bocconi, Milano (Italy)
- 2017-2018** **Teaching assistant: Machine Learning**
BSc in Economics, Management and Computer Science
Università Bocconi, Milano (Italy)

- 2017-2018 Co-supervisor for Master's Thesis in Physics**
Entropy driven algorithms for unsupervised learning
Davide Maria Bergamini
Università degli Studi di Milano, Milano (Italy)
- Jun 2017 Guest at Laboratory of Computational and Quantitative Biology**
University Pierre and Marie Curie, Paris (France)
- Jul 2015 Advances in Complex Systems 2015 Summer School**
Lake Como school of Advanced Studies, Como (Italy)

Skills

■ Languages

Italian - Mother Tongue

English - Fluent (Level C1)

Certifications:

- 2017 TOEIC Listening and Reading, score 965/990 - level C1
- 2017 TOEIC Speaking and Writing, score 380/400 - level C1
- 2010 Cambridge ESOL Level 1 Certificate – level B2

■ Programming Languages

python

julia

bash

C, C++

CUDA

wolfram mathematica