PERSONAL INFORMATION

Riccardo Cipolloni

Current interests:

- Disordered systems, computational and theoretical aspects
- Statistical mechanics and stochastic processes
- Low-temperature phenomena and non-perturbative methods

EDUCATION

Nov 2022 - Ongoing — PhD programme in Physics, Sapienza University of Rome, Rome, Italy.

Theoretical and Computational Physics: Statistical Mechanics and Stochastic Processes in Disordered Systems

Thesis Directors: Prof. F. Ricci-Tersenghi and Prof. F. Zamponi

Thesis Project: Activated processes in disordered systems

Oct 2018 – Jan 2022 — Master's Degree in Physics, Sapienza University of Rome, Rome, Italy.

Final Grade: 110/110 cum Laude (Summa cum Laude).
Theoretical Physics: Statistical Mechanics, Field Theory and Computational Physics

Thesis Supervisor: Prof. A. Pelissetto
Thesis Title: Three Dimensional Gauge Theories: Perturbative Renormalization Flow Analysis (Field Theory, Statistical Mechanics)

Sep 2015 – Oct 2018 — Bachelor's Degree in Physics, Sapienza University of Rome, Rome, Italy.

Final Grade: 110/110 cum Laude (Summa cum Laude).

Thesis Supervisor: Prof. G. Organtini
Thesis Title: Markov Chains, An Introduction and 3 Computational Studies (Probability Theory, Computational Physics)

Sep 2010 – Jun 2015 — Italian Scientific Lyceum Diploma, LSS G. Peano, Monterotondo, Italy.

Final Grade: 100/100 cum Laude.
Bilingual Scientific Programme (French)

FURTHER ACADEMIC TRAINING

Apr 2025 – May 2025 (2 weeks) — São Paulo School of Advanced Science on Disordered Systems, ICTP-SAIFR/IFT-UNESP

Focus on statistical physics of complex and glassy systems with interdisciplinary applications.
Poster presentation: 'Transition paths sampling in Ising systems on heterogeneous graphs'.

Oct 2024 – Apr 2025 — Visiting PhD Student at LPTHE, Sorbonne.

Under the supervision of Prof. L. F. Cugliandolo, I am currently studying the mean field theory of glasses with a focus on coupled spherical p-spin models, investigating the slow relaxation and aging processes that characterize these systems

July 2024 (2 weeks) — Summer School in Complex and Glassy Physics, Institut d'Études Scientifiques de Cargèse.

Focus on statistical physics of complex and glassy systems with interdisciplinary applications.

Mar 2019 – Nov 2019 — WaveScalES Experiment

© European Union, 2002-2015 | europass.cedefop.europa.eu

2024 Winner of the 'Call for the financing of mobility abroad of PhD Students' promoted by 'Sapienza University of Rome'

2023 Recipient of the 'Laureato Eccellente' Recognition bestowed by Sapienza University of Rome and Fondazione Roma Sapienza

2022 Recipient of the Doctoral Scholarship awarded through selection by Sapienza University of Rome

2015, 2017, 2019, 2020 Winner of the Annual Scholarship promoted by 'Fondazione Ugo Betti'

2016 – 2018 Winner of 'Studente Meritevole' Fellowship promoted by 'Sapienza University of Rome'

SCHOLARSHIPS, ACHIEVEMENTS

2015, 2017 Winner of the Annual Scholarship promoted by 'Autostrada dei Parchi'

RELEVANT WORKING EXPERIENCE

2013 - Ongoing One-on-one tutor in Maths and Physics, with high school students and, since 2017, with college students also Many years experience with SEN (Special Education Needs) and SLD (Specific Learning Disorders) students.

Apr 2022 – Nov 2022 Software Engineer Intern, NTT Data Inc.- Microsoft Competence Center
Project: Excellence School Cloud Engineer

Full-time internship as a full-stack software engineer Three months professional training course. On-the-job training within a team of specialists, working on a project commissioned by a multinational company. Up-to-date technologies have been adopted for the full-stack development of the elaborated cloud-native application.

LANGUAGE SKILLS

Italian First Language

English Certificate of Advanced English (CAE, Cambridge Assessment). CEFR C1

French 8 years of Secondary School education. CEFR B2

IT SKILLS

OS Familiar with Linux, Windows and Mac based operating system

Programming Languages C (Independent User), C++ (Independent User), C#(Independent User), Fortran (Independent User), JavaScript (Independent User), TypeScript (Independent User), Python (Independent User)

Softwares Microsoft Office, Microsoft 365 (include Excel, PowerPoint), LATEX editors, Wolfram Mathematica, Visual Studio, Visual Studio Code, SQL Server Management Studio (SSMS)

Software Engineering Design patterns, systems development life cycle (SDLC), agile methodology, UML, CI/CD, DevOps, Git (GitHub, GitLab), ASP.NET Core, HTML, CSS, Bootstrap, React (Node.js), Blazor, relational databases and query languages (SQL, T-SQL), Microsoft Azure

OTHER TECHNICAL SKILLS

Lab Skills Attended mandatory laboratory courses in mechanics, thermodynamics, electrical and electronic circuits, and optics at Sapienza University of Rome Had a little experience with imaging and image processing techniques (using Python), during the WaveScalEs Experiment collaboration period

© European Union, 2002-2015 | europass.cedefop.europa.eu

Ai fini della pubblicazione

F.to Riccardo Cipolloni
26/06/2025

© European Union, 2002-2015 | europass.cedefop.europa.eu