Onofrio Mazzarisi

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Appointments

Dec 2020 / Dec 2022	**Postdoctoral researcher** **Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany** Topics: *Statistical Mechanics, Stochastic Processes, Theoretical Ecology, Evolutionary Dynamics*

Education

Jan 2021	**Ph.D, Physics**, University of Salerno, Italy Advisor: Federico Corberi Dissertation title: *Out of equilibrium problems in classical spin models of statistical mechanics*
Jul 2017	**M.S., Theoretical Physics**, University of Bologna, Italy Thesis advisor: Armando Bazzani 110/110 *cum laude*
Oct 2014	**B.S., Physics**, University of Bologna, Italy Thesis advisor: Graziano Servizi 110/110

Publication list

2022	Lorenzo Fant, **Onofrio Mazzarisi**, Emanuele Panizon, and Jacopo Grilli. Stable cooperation emerges in stochastic multiplicative growth. *arXiv preprint arXiv:2202.02787*, 2022
2022	Federico Corberi, Leticia F Cugliandolo, Marco Esposito, **Onofrio Mazzarisi**, and Marco Picco. How many phases nucleate in the bidimensional potts model? *Journal of Statistical Mechanics: Theory and Experiment*, 2022(7):073204, 2022
2021	**Onofrio Mazzarisi**, Amanda de Azevedo-Lopes, Jeferson J. Arenzon, and Federico Corberi. Maximal diversity and zipf's law. *Phys. Rev. Lett.*, 127:128301, Sep 2021
2020	**Onofrio Mazzarisi**, Federico Corberi, Leticia F Cugliandolo, and Marco Picco. Metastability in the potts model: exact results in the large q limit. *Journal of Statistical Mechanics: Theory and Experiment*, 2020(6):063214, 2020
2020	Federico Corberi, **Onofrio Mazzarisi**, and Andrea Gambassi. Dynamics of fluctuations in the gaussian model with dissipative langevin dynamics. In *Journal of Physics: Conference Series*, volume 1548, page 012027. IOP Publishing, 2020
2019	Federico Corberi, **Onofrio Mazzarisi**, and Andrea Gambassi. Dynamics of fluctuations in the gaussian model with conserved dynamics. *Journal of Statistical Mechanics: Theory and Experiment*, 2019(10):104001, 2019
2019	Armando Bazzani, **Onofrio Mazzarisi**, Massimo Giovannozzi, and Ewen Maclean. Diffusion in stochastically perturbed hamiltonian systems with applications to the recent lhc dynamic aperture experiments. In *Nonlinear Dynamics and Collective Effects in Particle Beam Physics: Proceedings of the International Committee on Future Accelerators Arcidosso Italy 2017*, pages 70–85. World Scientific, 2019

Conference presentations

2022	II Conference of the Italian Society of Statistical Physics, Parma, Italy
2021	Paris Biological Physics Community Day, Paris, France
2021	Young Seminars SIFS, Online
2019	10^{th} Young Researcher Meeting, Rome, Italy

Teaching experiences

2018 / 2019	**Teaching assistant**, University of Salerno Physics 1

Schools and visiting experiences

Sept/Dec 2019	Visit: *Sorbonne Université, Laboratoire de Physique Théorique et Hautes Energies, Paris, France* Host: Leticia Cugliandolo
2019	School: *Glasses, Jamming, and Slow Dynamics*, Beg Rohu, France
2018	School: *Entropy, Information and Order in Soft Matter*, ICTS, Bangalore, India
2018	School: *Spring College on the Physics of Complex Systems*, ICTP, Trieste, Italy
Jan/Dec 2018	Visit: *SISSA - International School for Advanced Studies, Trieste, Italy* Host: Andrea Gambassi

Computer skills and languages

Computer	Julia, C, C++, fortran, Python, sh, LaTeX
Languages	Italian (native), English (fluent), French (good), German (good), Spanish (basic)

Journal referee

Journal of Statistical Mechanics: Theory and Experiments, Physical Review Letters

References

Pr Leticia Cugliandolo
Sorbonne Université, Paris, France
leticia@lpthe.jussieu.fr

Pr Federico Corberi
University of Salerno, Salerno, Italy
fcorberi@unisa.it

Dr Matteo Smerlak
Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany
matteo.smerlak@mis.mpg.de

Dr Jacopo Grilli
The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy
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