# Onofrio Mazzarisi

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## Appointments

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

## Education

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

## Publication list

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| 2021 | Federico Corberi, Leticia F Cugliandolo, Marco Esposito, **Onofrio Mazzarisi**, and Marco Picco. How many phases nucleate in the bidimensional potts model? *arXiv preprint arXiv:2102.01003*, 2021 |
| 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

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| 2021 | Paris Biological Physics Community Day, Paris, France |
| 2021 | Young Seminars SIFS, Online |
| 2019 | $10^{th}$ Young Researcher Meeting, Rome, Italy |

## Teaching experiences

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| 2018 / 2019 | **Teaching assistant**, University of Salerno<br>Physics 1 |

## Schools and visiting experiences

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| Sept/Dec 2019 | Visit: *Sorbonne Université, Laboratoire de Physique Théorique et Hautes Energies, Paris, France*<br>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*<br>Host: Andrea Gambassi |

## Computer skills

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| Compiled lang. | Julia, C, C++, fortran |
| Scripting lang. | Python, sh |
| Markup lang. | LaTeX |

## Journal referee

Journal of Statistical Mechanics: Theory and Experiments

## References

**Dr Matteo Smerlak**
Max Planck Institute for Mathematics in the Sciences, Germany
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**Pr Leticia Cugliandolo**
Sorbonne Université, Paris, France
leticia@lpthe.jussieu.fr

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