Francesco Mattesini

Curriculum Vitae

Einsteinstrasse 62 Münster, 48149, Germany ☎ +49 251 83-33770 FAX +49 251 83-32712

Current Occupation

November **Phd Student**, *Westfälische Wilhelms-Universität Münster*, Münster, Funded by the 2020–Present DFG via the priority programme SPP 2265 Random Geometric Systems.

Supervisor: Prof. Martin Huesmann

April **Phd Student**, *Max Planck Institut for Mathematics in the Sciences*, Leipzig, Funded 2021–Present by the DFG via the priority programme SPP 2265 Random Geometric Systems.

Supervisor: Prof. Felix Otto

Education

2018–2020 Master's Degree in Mathematics, Università di Pisa, Pisa.

Final dissertation title: "Asymptotics of Transportation Cost for Occupation Measures of Fractional Brownian Motion", supervised by Prof. Dario Trevisan and Prof. Martin Huesmann

2015–2018 Bachelor's Degree in Mathematics, Università di Pisa, Pisa.

Final dissertation title: "Regularity problems for Young Differential Equations", supervised by Prof. Dario Trevisan

Summer/Winter schools

June 2022 PIMS- IFDS- NSF Summer School on Optimal Transport, University of Washingto, Seattle.

February Winterschool on Analysis and Applied Mathematics, *University of Münster*, 2021 Münster (Online).

Talks

September Wasserstein asymptotics for the empirical meeasure of fractional Brownian 2022 motion, Optimal Transport and Uncertainty, Università degli studi di Napoli Federico (Upcoming) II, Napoli.

June 2022 **There is no stationary cyclically monotone Poisson matching in 2d**, *PIMS*-(Upcoming) *IFDS- NSF Summer School on Optimal Transport*, University of Washington, Seattle.

June 2022 There is no stationary cyclically monotone Poisson matching in 2d, Third (Upcoming) Italian Meeting on Probability and Mathematical Statistics, Unversità di Bologna, Bologna.

March 2022 There is no stationary cyclically monotone Poisson matching in 2d, Stochastic mass transports, Banff International Research Station, Banff (Online).

November There is no stationary cyclically monotone Poisson matching in 2d, Optimal

2021 Transport and Uncertainty, Università di Pisa, Pisa.

October 2021 Asymptotics of transportation cost for the occupation measure of fractional

Brownian motion, AG Seminar, Max Planck Institute, Leipzig.

September There is no stationary cyclically monotone Poisson matching in 2d, DMV-

2021 ÖMG Jahrestagung 2021, Passau (Online).

September Asymptotics of transportation cost for the occupation measure of fractional

021 Brownian motion, GPSD Mannheim, Mannheim (Online), Prerecorded Talk.

December Asymptotic Convergence of Occupation Measures of Fractional Brownian

2020 motion, Oberseminar, Münster.

Research Stays

November Università degli studi di Pisa, Pisa, 22-26 November 2022.

2022 Host: Prof. Dario Trevisan

Preprints

[HMO21] Martin Huesmann, Francesco Mattesini, and Felix Otto. There is no stationary cyclically monotone poisson matching in 2d, 2021. URL: https://arxiv.org/

abs/2109.13590, doi:10.48550/ARXIV.2109.13590.

[HMT22] Martin Huesmann, Francesco Mattesini, and Dario Trevisan. Wasserstein asymptotics for the empirical measure of fractional brownian motion on a flat torus, 2022. URL: https://arxiv.org/abs/2205.01025, doi:10.48550/ARXIV.

2205.01025.