

MARTINA ZIZZA

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Education

PhD in Mathematical Analysis, Modelling and Applications, SISSA

TRIESTE (IT)
October 2019- Current

University of Pavia

Laurea Magistrale in Mathematics, 110/110 cum laude

PAVIA (IT)
29 October 2019

Thesis title: **Weak solution of two coupled Fokker-Planck equations and its large-time behaviour by means of Optimal Transport**. Supervisors: Daniel Matthes (TU München), Giuseppe Toscani (Università degli Studi di Pavia).

University of Pavia

Laurea triennale in Mathematics, 110/110 cum laude

PAVIA (IT)
October 2014-July 2017

Thesis title: *Abel-Jacobi theory on a finite graph and a solution of the dollar game*, Supervisor: Gian Pietro Pirola

IUSS Pavia

Second Level Master

Pavia (IT)
May 2020

Thesis title: **Exponential self-similar mixing**.
Supervisor: Stefano Bianchini.

IUSS Pavia

First Level Diploma

Pavia (IT)
October 2014 – May 2018

Thesis title: *Fokker-Planck equations for socio-economic phenomena*.
Supervisor: Giuseppe Toscani.

TU München

A six-months scholarship working with Pr. Dr. Daniel Matthes (TUM) jointly with Pr. Dr. Giuseppe Toscani (University of Pavia).

München (DE)
March 2019- September 2019

Teaching Experience

University of Pavia – Engineering Department

Linear Algebra Tutor (28 hours)

Pavia (IT)
October 2017 – June 2018

University of Pavia – Engineering Department

Classical Mechanics Tutor (28 hours)

Pavia (IT)
March 2018 – September 2018

University of Pavia -Department of Mathematics

First course in Analysis Tutor (30 hours)

Pavia (IT)
October 2018 - February 2019

Award and Prizes

Student at 'Collegio Ghislieri' in Pavia. Students selected through an admission test. Students maintain a minimum grade average of 27/30 every year. 5 years full maintenance scholarship.

Student at IUSS Pavia. Selected with an admission test; students take one extra course per semester and receive a scholarship each year.

Selected for the INdAM scholarship in 2014, a prestigious italian scholarship for mathematics students. Renounced as incompatible with other scholarships.

Student at 'Stiftung Maximilianeum' in Munich, in 2019. 6 months full maintenance scholarship.

Research interests

Geometric Measure Theory, PDEs, Probability.

Other experiences

Student Representative in the Evaluation Unit of SISSA since October 2020.

Other skills

Languages

Italian Mother tongue

French B2 CEFR, DELF

English B2 CEFR, FCE

Computer

Matlab Proficient User

Latex Intermediate

C intermediate

Trieste, 02/02/2021