

Federico Lazzeri federico.lazzeri@rub.de +39 3474118119 My personal website

Federico Lazzeri

PhD student in Mathematics

Research interests

Algebraic and enumerative combinatorics, Coxeter groups, Distributional properties of polynomials, Representation theory, Symmetric functions.

Education

Bochum, 2025

Fellowship in Algebraic Combinatorics, Ruhr University Bochum. Title: "Collaboration on Combinatorial Invariance Conjecture"

Supervisor: Prof. Christian Stump

Pisa, 2020 - 2023

Master degree in Mathematics, University of Pisa

Mark 110/110 cum laude

Thesis title: "Representation theory of the 0-Hecke algebra"

Supervisor: Prof. Michele D'Adderio

Pisa, 2021

Training course for teaching, University of Pisa

Pisa, 2017 - 2020

Bachelor degree in Mathematics, University of Pisa

Mark 107/110

Thesis title: "Algorithms for manifold learning and analysis of their sta-

bility"

Supervisor: Prof. Dario Trevisan

Attended conferences

Leipzig, June - July 2025

Summer School "New perspectives on discriminants and their applications"

Ancona, June 2025

"Algebraic Combinatorics in Ancona"

Bologna, April 2025

"6th Graduate Student Meeting in Applied Algebra and Combinatorics"

Bochum, March 2025

Spring School "The Dynkin Classification"

Dobbiaco (Toblach), February 2025

Winter School "Geometry, Algebra and Combinatorics of Moduli Spaces and Configurations VII"

Pisa, November 2024

"Research-Oriented Seminar In COmbinatorics (ROSICO)"

Pisa, November 2024

"COmbinatorics Seminar for Everyone (COSE)"

Bologna, November 2024

"INcontro TRIangolare di Combinatoria Algebrica e TOpologica (INTRICATO)"

Dobbiaco (Toblach), February 2023

Winter School "Geometry, Algebra and Combinatorics of Moduli Spaces and Configurations V"

Pisa, May 2022

"COmbinatorics Seminar for Everyone (COSE)"

Talk: Reciprocity for simplicial cones.

Work experience

Montepulciano, September 2023 - August 2024

Substitute teacher in Mathematics, Licei Poliziani Scientifico e Scienze Umane

Pisa, March - May 2023

Tutor of Algorithms and Data Structures, University of Pisa, Mathematics Department

Pisa, September 2021

Mathematics Precourse tutor, University of Pisa, School of Engineering

Pisa, March - May 2021

Tutor of Algorithms and Data Structures, University of Pisa, Mathematics Department

Montepulciano, February 2021

Substitute teacher in Mathematics and Physics, Licei Poliziani Linguistico e Scienze Umane

Languages and computer skills

- Italian (native), English (TOEFL 92/120), French (B1/B2 level), German (A2 level)
- C, Sage, Matlab, LTEX

References

Prof. Michele D'Adderio

Professor, Department of mathematics, University of Pisa, Italy Contacts: michele.dadderio@unipi.it - Personal page

Prof. Filippo Gianluca Callegaro

Professor, Department of mathematics, University of Pisa, Italy

Contacts: filippo.callegaro@unipi.it - Personal page