

Riccardo Giappichini

University of Bologna, Italy
Email: riccardo.giappichini@studio.unibo.it

Education

Master's Degree in Mathematics

University of Bologna, Italy

Sept. 2024 – ongoing

Thesis: "Fano varieties of index 1 and Mukai bundles on Fano threefolds"(ongoing).

Supervisor: Enrico Fatighenti

Bachelor's Degree in Mathematics

University of Bologna, Italy

Sept. 2021 – July 2024

Thesis: "Rational surfaces and anticanonical models of Del Pezzo surfaces".

Supervisor: Enrico Fatighenti

Research Interests

Algebraic geometry, with a focus on the classification of Fano varieties and the construction of vector bundles on these varieties. Interested also in explicit computations and construction of examples.

Teaching Experience

Mathematics Tutor

University of Bologna, Italy

2025 – ongoing

Course: Linear Algebra

Conferences and Schools

Junior Math Days 2025

SISSA

1-3 Dec. 2025

Algebraic and Tropical Geometry of Moduli Spaces of Curves

University of Bologna, Italy

8-12 Sept. 2025

Introduction to Birational Geometry and Minimal Model Theory

University of Bologna, Italy

Nov. 2024

Course taught by Yoshinori Gongyo and Yusuke Nakamura

Summer School in Cesenatico

Cesenatico, Italy

29 Aug. – 3 Sept. 2022

PhD Course: Intersection theory

University of Bologna, Italy

Mar. 2025

Taught by Prof. Luca Battistella

PhD Course: Topology of Manifolds

University of Bologna, Italy

Jan. -Mar. 2025

Taught by Prof. Julius L. Shaneson

Skills

- Python
- MATLAB
- LaTeX
- Italian (native)
- English (B2)

Main Courses and Topics Studied

- **Algebraic Geometry** – by Enrico Fatighenti, Andrea Petracci, Antonella Grassi
- **Complex Geometry** – by Enrico Fatighenti, Giovanni Mongardi, Nicola Tito Pagani, Luca Battistella
- **Algebraic Topology and Hodge Theory** – by Luca Migliorini
- **Algebraic Number Theory** – by Lars Halvard Halle, Luca Migliorini
- **Commutative Algebra** – by Roberto Pagaria, Alessandro D'Andrea
- **Lie Algebras** – by Alessandro D'Andrea
- **Differential geometry** – by Sergio Venturini