

BEATRICE OSTORERO VINCI



EDUCATION

PhD in Mathematics

Nov. 2024 - Now

Università di Genova, Genova, Italy

Area of research: Arithmetic of abelian varieties and modular forms, Galois representations.

MSc in Mathematics, ALGANT Program

Sep. 2022 - July 2024

Year 1 - Universiteit Leiden, Leiden, The Netherlands

GPA: 8.1/10

Attended Courses: Algebraic Geometry 1, Algebraic Methods in Combinatorics, Algebraic Topology 1 & 2, Commutative Algebra, Elliptic Curves, Algebraic Number Theory, Topics in Algebraic Number Theory.

Year 2 - Université de Bordeaux, Bordeaux, France

GPA: 151.561/200

Attended Courses: Algebraic Geometry (theory of schemes), Algorithmic Arithmetic, Elliptic Curves (applications to cryptography), Riemannian Geometry, Analytic Theory of L -functions.

Master's Thesis topic: p -divisible groups. Defence grade: 17/20

BSc in Mathematics

Sep. 2019 - July 2022

Università degli studi di Milano, Milan, Italy

Final Mark: 110/110 cum laude

EDUCATIONAL EXPERIENCES

Bachelor in Mathematics Student Task

Feb. - April 2022

Università degli Studi di Milano, Milano, Italy - *Sorbonne Université*, Paris, France

Cooperative project about the arithmetic of series carried out with four other students from Prague, Warsaw, Paris and Copenhagen. A brief summary of the topic can be found here: <https://www.math.ku.dk/english/programmes/bmst2022/>. Supervisor: Professor Pierre Charollois (Sorbonne University).

TALKS IN LEARNING SEMINARS

Local theory for $GL_2 \times GL_2$.

May 6, 2025

Study group on Tate's Thesis and automorphic representations at FernUni Schweiz

p -Adic L -functions for modular forms.

Jan. 29, 2025

Iwasawa Theory course at Università di Genova

ATTENDED CONFERENCES

Iwasawa Theory and Representations of p -Adic Groups.

18-20 June, 2025

Université de Lille

Arithmetica Transalpina.

May 23, 2024

Università di Genova

Women in Number Theory and Geometry (WINGs).

March 31 - April 3, 2025

Mercure Haydock Hotel, UK

Young researchers in Galois representations and related topics.

Jan. 20-23, 2025

Università di Genova

PROJECTS & ORGANISED EVENTS

ALGANT Alumni Symposium 2025

Będlewo, July 23-27, 2025

Days of talks held by former ALGANT students currently working in or outside academia, either on their research or personal experience (website: <https://sites.google.com/impan.pl/symposium-of-the-algant-alumni/>). The event, addressed to ALGANT Alumni and Master's students, is organised together with other former ALGANT students.

Fuori Orario

2020 - 2022

Days of seminars for students, organised and held by students of the Department of Mathematics of Università degli Studi di Milano (website: <https://www.fuori-orario.it/>, in Italian). Organised and gave talks at three editions.

OTHER ACTIVITIES

Student representative

2020 - 2022

Department of Mathematics F. Enriques, Università degli Studi di Milano, Italy

Representative activities: attending regular meetings of the Department Board and other bodies of the Department; organizing activities such as study groups for first-year students.

Homework and study help

Study support in mathematics and physics to high-school students.

LANGUAGES

Italian. Mother tongue.

English. Advanced. Level: C1. *Certification:* IELTS. Overall score of 8.0/9.0.

Dutch. Basic. Level: A1.

French. Basic. Level: A2.

SOFT SKILLS

Effective communication. Ability to prepare and give talks on occasion of different events. Skills in preparing targeted lessons, tested during study support.

Leadership, teamwork and organization of events. Skills in coordinating activities and people, and ability to cooperate with other team members to ensure the success of the event and achieve team objectives. Mainly tested in organizing days of seminars or other events for students.

Reliability and self-planning. Carrying out tasks accurately, and following instructions when given. Scheduling and dividing workload in order to fulfil assignments within the deadline.

Adaptability and resilience. Ability to adapt the way of working to different academic environments, handling the pressure of up-close submissions.