

Anna Ulivi

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Summary

I am a first year graduate student in Complex and Algebraic Geometry at the University of Genoa. Currently, I'm working on the study of abelian Galois covers of rational surface and elliptic fibration. My career goals are to continue research in complex and algebraic geometry and then to pursue an academic career in the future.

Education

PhD	University of Genoa , Algebraic Geometry	Oct. 2024 - Oct. 2027
	<ul style="list-style-type: none"> <i>Coursework</i>: One of the main lines of research I am working on is the study of surfaces of general type, in particular the one that can be construct as Galois quotient and as product-quotients. <p>Moreover, I have took part of a reading group on non-commutative varieties and one on the study of motives, both organized by the algebraic geometry group of the University of Genova.</p> <p>In my first year I followed two PhD course called "Geometric Invariant Theory" and "Surface of general type". Now I am following a course on "Birational Geometry" taught by Professor Eleonora Romano.</p> <ul style="list-style-type: none"> <i>Advisor</i>: Prof. Matteo Penegini, Prof. Eleonora Romano. 	
MSc	University of Genoa , General Mathematics	Sept. 2022 - Oct. 2024
	<ul style="list-style-type: none"> <i>Grade</i>: 110/110 cum laude <i>Thesis Title</i>: "Elliptic fibrations with a multisections". <i>Advisor</i>: Prof. Sönke Rollenske, Prof. Matteo Penegini. 	
Superior School	IANUA - University of Genoa , Sciences and Technologies for the Society of Information	Sept. 2020 - July 2022
BSc	University of Genoa , Mathematics	Sept. 2019 - Sept. 2022
	<ul style="list-style-type: none"> <i>Grade</i>: 110/110 cum laude <i>Thesis Title</i>: "CW-complex: paracompactness and other properties". <i>Advisor</i>: Prof. Matteo Penegini. 	

Seminar and Course

Mini-workshop in algebraic geometry , Philipps-Universität Marburg	13 June 2025
I presented a talk about "Weighted Projective Model for Elliptic Fibration" an ongoing work on my master thesis.	
Seminar on Motive Theory , Università di Genova	April 2025
I gave two lecture on the Chow group and adequate equivalence relation as part of a reading group on the book "Lectures on the Theory of Pure Motives" by C. Peters, J. Murre, J. Nagel.	

Ph.D. Course-Fibered varieties, Pavia – Milano Bicocca – INdAM Ph.D. program

Jan.-Feb. 2025

The course is devoted to the study of the algebraic varieties having a fibration on a variety of smaller dimension.

Experience

Student exchange programm

Erasmus +, *Philipps-Universität Marburg*, Germany

April 2024 - July 2024

6 ECTS complex and differential geometry course and 20 ECTS for the Master Thesis.

Teaching activities

University of Genoa, Tutor

Sept. 2025 - Feb. 2026

Teaching support activities for Linear Algebra course for Engineering students

University of Genoa, Tutor

Sept. 2023 - April 2024

Teaching support activities for Analysis courses for Engineering students and Topology for Mathematics students

University of Genoa, Collaborator for Olympiad

Sept. 2021- March 2023

Support for Maths Olympiad activities: text drafting and preparation of high school students.

Middle school "Barrili-Paganini", External expert

Sept. 2021 - May 2023

Teacher for extracurricular course in mathematics and problem solving.

Additional Experience And Awards

Italian Mathematical Olympiad (ITAMO): Silver medal

2017

European Girls' Mathematical Olympiad (EGMO): Bronze medal

2019

Scholarship Istituto Nazionale di Alta Matematica "Francesco Severi"(INDAM)

2019-2022

Languages

- **Italian**: mother tongue
- **English**: proficient
- **Franch**: basic
- **German**: basic

Computer Skills

C++	Intermediate
LaTeX	Intermediate
CoCoA	Intermediate
Magma	Intermediate
MATLAB	Basic
RStudio	Basic
Java	Basic