

Giacomo Nanni

Curriculum Vitae

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Education

2023 **PhD student**, *Alma Mater Studiorum – Università di Bologna (AMS)*, Bologna, Italy

In cotutelle with *Ruhr-Universität*, Bochum, Germany (RUB)

- Working title: Lagrangian fibrations of Nikulin orbifolds
- Supervisors: Giovanni Mongardi (AMS), Christian Lehn (RUB)

2020
2023

MSc Mathematics, *AMS*, Bologna, Italy

- Thesis title: Classification of lagrangian planes in Kummer-type hyperkähler manifolds
- Supervisor: Giovanni Mongardi
- Examiner: Luca Migliorini
- Assessment: 110/110 cum laude

June 2022
Sep 2021

M2 Mathématiques fondamentales (fundamental mathematics) (as an Erasmus student), *Université de Paris (now Université Paris-Cité)*, Paris, France

2017
2020

BSc Mathematics, *AMS*, Bologna, Italy

- Thesis title: Varietà di Segre e di Veronese (Veronese and Segre varieties)
- Supervisor: Monica Idà
- Assessment: 110/100 cum laude

Publications

Preprints

- Giacomo Nanni. *Classification of lagrangian planes in Kummer-type hyperkähler manifolds*. arXiv:2310.15639
- Giacomo Nanni. *Monodromy of Nikulin orbifolds*. arXiv:2503.14441

Talks and Posters

March 2025 **Talk at PhD Open Day**, Bologna, Italy

Nov 2023 **Informal talk at the University of North Carolina**, Chapel Hill, USA

Sep 2024 **Poster at Ricercatori in algebra e geometria**, Milano, Italy

- **Poster at New perspectives on hyperkähler manifolds and moduli of vector bundles (in honour of Kieran G. O’Grady)**, Cetraro, Italy

March 2024 **Junior talk at LEGAL (Liberdade em Geometria Algébrica)**, Teresópolis, Rio de Janeiro, Brazil

Research visits

4th–24th Nov 2024 **University of North Carolina**, Chapel Hill, USA
Invited by Justin Sawon

Teaching

Teaching Assistant

A.Y. **Aritmetica e Gruppi, BSc in Mathematics (Group theory)**, AMS, 2024–2025
Bologna, Italy

Supervisors: Alessandro D’Andrea (Modulo 1), Jacopo Gandini (Modulo 2)

- **Geometria 2 (Topology), BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Giovanni Mongardi

A.Y. **Algebra e Geometria (Linear Algebra), BSc in Physics**, AMS, Bologna, 2023–2024
Italy

Supervisor: Alessia Cattabriga

- **Algebra 1, BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Luca Moci

- **Algebra 2, BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Fabrizio Caselli

- **Geometria 2 (Topology), BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Giovanni Mongardi

A.Y. **Algebra e Geometria (Linear Algebra), BSc in Physics**, AMS, Bologna, 2022–2023
Italy

Supervisor: Alessia Cattabriga

Private Teaching

- **Mathematics tutoring**
Sporadic private teaching to school and undergraduate students

Languages

Italian Native

English Fluent

French Fluent

References

Giovanni Mongardi

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Mathematics Dept., AMS
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Luca Migliorini

Professor
Mathematics Dept., AMS
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Christian Lehn

Professor
Mathematics Dept., RUB
Bochum, Germany
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Enrico Fatighenti

Researcher
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Bologna, Italy
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