

Giacomo Nanni

Curriculum Vitae

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🌐 [giacomonanni.github.io](https://github.com/giacomonanni)

Education

- 2023 - **PhD student**, in cotutelle between *Alma Mater Studiorum - Università di Bologna* (AMS) Bologna, Italy and *Ruhr-Universität* (RUB), Bochum, Germany
- 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
- A.Y. **Erasmus exchange**, *Université de Paris*, Paris, France
- 2021-2022 Attended courses in M2 Mathématiques fondamentales
- 2017-2020 **BSc Mathematics**, AMS, Bologna, Italy
- Thesis title: Varietà di Segre e di Veronese
 - Supervisor: Monica Idà
 - Assessment: 110/110 cum laude

Publications and preprints

- *Lagrangian fibrations on Nikulin-type orbifolds*. arXiv:2512.19244
- *Monodromy of Nikulin orbifolds*. arXiv:2503.14441 (Soon to appear in *Kyoto Journal of Mathematics*)
- *Classification of lagrangian planes in Kummer-type hyperkähler manifolds*. arXiv:2310.15639

Talks and Posters

- 4.2026 **Talk at Seminarium Geometria Algebraiczna**, *Uniwersytetu Jagiellońskiego*, Krakow, Poland
- 2.2026 **Talk at Séminaire de Géométrie complexe**, *Institut Elie-Cartan*, Nancy, France
- 10.2025 **Oberseminar Algebraische und Komplexe Geometrie**, *Ruhr-Universität*, Bochum, Germany
- 06.2025 **Poster at Gael XXXII**, Toulouse, France
- 03.2025 **Talk at PhD Open Day**, Bologna, Italy
- 11.2024 **Talk at the University of North Carolina**, Chapel Hill, USA
- 09.2024 **Poster at Ricercatori in algebra e geometria**, Milano, Italy
- 09.2024 **Poster at New perspectives on hyperkähler manifolds**, Cetraro, Italy

03.2024 **Junior talk at LEGAL**, Teresópolis, Rio de Janeiro, Brazil

Research visits

- (Planned) **Research Institute of Mathematical Sciences**, Kyoto, Japan
09.2026-10.2026 Invited by Yoshinori Namikawa
- 04.11.2024-24.11.2024 **University of North Carolina**, Chapel Hill, USA
Invited by Justin Sawon

Teaching

Tutor (Teaching Assistant) for the following courses

- A.Y. 2024-2025 **Aritmetica e Gruppi, BSc in Mathematics**, AMS, Bologna, Italy
Supervisors: Alessandro D'Andrea, Jacopo Gandini
- Geometria 2 (Topology), BSc in Mathematics**, AMS, Bologna, Italy
Supervisor: Giovanni Mongardi
- A.Y. 2023-2024 **Algebra e Geometria (Linear Algebra), BSc in Physics**, AMS, Bologna, 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. 2022-2023 **Algebra e Geometria (Linear Algebra), BSc in Physics**, AMS, Bologna, Italy
Supervisor: Alessia Cattabriga

Distinctions

- 2026 **Awarded the *Bando strutture 2025, Mathematical Horizons: A Global University Exchange*: competitive mobility grant for research stays in selected institutions worth 2600€, *University of Bologna***
- 2025 **Awarded the *Marco Polo* scholarship: competitive mobility grant by the University of Bologna (3600€) to support research stays abroad, *University of Bologna***

Languages

- Italian Native speaker
- English Fluent
- French Fluent
- German Basic (A1)