

# Giacomo Nanni

## Curriculum Vitae

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## 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. 2021-2022 **M2 Mathématiques fondamentales**, *Université de Paris*, Paris, France
- 2017-2020 **BSc Mathematics**, AMS, Bologna, Italy
- Thesis title: Varietà di Segre e di Veronese
  - 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

- 10.2025 **Oberseminar Algebraische und Komplexe Geometrie**, RUB, Bochum, Germany
- 06.2025 **Poster at Gael XXXII**, Toulouse, France
- 03.2025 **Talk at PhD Open Day**, Bologna, Italy
- 11.2023 **Talk at the University of North Carolina**, Chapel Hill, USA
- 09.2024 **Poster at Ricercatori in algebra e geometria**, Milano, Italy
- **Poster at New perspectives on hyperkähler manifolds**, Cetraro, Italy
- 03.2024 **Junior talk at LEGAL**, Teresópolis, Rio de Janeiro, Brazil

## Research visits

- 04.11.2024- **University of North Carolina**, Chapel Hill, USA
- 24.11.2024 Invited by Justin Sawon

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## Teaching

Tutor (Teaching Assistant) for the following courses

- A.Y. **Aritmetica e Gruppi, BSc in Mathematics**, AMS, Bologna, Italy  
2024-2025 Supervisors: Alessandro D'Andrea, Jacopo Gandini
- **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

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## Languages

I'm a native *Italian* speaker, and I consider myself fluent in *English* and *French*.

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## References

### Giovanni Mongardi

Professor  
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Bologna, Italy  
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### Luca Migliorini

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### Christian Lehn

Professor  
Mathematics Dept., RUB  
Bochum, Germany  
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### Enrico Fatighenti

Researcher  
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