# Giacomo Nanni
## Curriculum Vitae

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## Education

**2023** **PhD student**, *Alma Mater Studiorum - University of Bologna* (hereafter AMS-UB), Bologna, Italy

**2020**
**2023** **MSc Mathematics**, *AMS-UB*, Bologna, Italy

**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-UB*, Bologna, Italy

## Theses

### MSc Thesis

**TITLE** Classification of lagrangian planes in Kummer-type hyperkähler manifolds

**ADVISOR** Professor Giovanni Mongardi

**EXAMINER** Professor Luca Migliorini

### BSc Thesis

**TITLE** Varietà di Segre e di Veronese (Veronese and Segre varieties)

**ADVISOR** Professor Monica Idà

## Publications

### Preprints

○ Giacomo Nanni. Classification of lagrangian planes in Kummer-type hyperkähler manifolds. arXiv:2310.15639

## Teaching Experience

### Teaching Assistant

| 2023 | **ALGEBRA E GEOMETRIA (Linear Algebra) for BSc in Physics** , *AMS-UB*, Bologna, Italy |
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| | **SUPERVISOR** Professor Alessia Cattabriga |
| 2024 | **ALGEBRA E GEOMETRIA (Linear Algebra) for BSc in Physics** , *AMS-UB*, Bologna, Italy |
| | **SUPERVISOR** Professor Alessia Cattabriga |
| - | **ALGEBRA 1 for BSc in Mathematics** , *AMS-UB*, Bologna, Italy |
| | **SUPERVISOR** Professor Luca Moci |
| - | **ALGEBRA 2 for BSc in Mathematics** , *AMS-UB*, Bologna, Italy |
| | **SUPERVISOR** Professor Fabrizio Caselli |
| - | **GEOMETRIA 2 (Topology) for BSc in Mathematics** , *AMS-UB*, Bologna, Italy |
| | **SUPERVISOR** Professor Giovanni Mongardi |

## Private Teaching

**Mathematics**

Sporadic private teaching to school and undergraduate students

## Languages

| **Italian** Native | **English** Fluent | **French** Fluent |
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## PhD Courses

I've attended the following courses from the doctoral school of AMS-UB

| 2022-2023 | **As an undergraduate** |
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| | ○ *Compact Hyperkähler Manifolds*, Prof. Giovanni Mongardi |
| | ○ *Manifolds, varieties and singular spaces*, Prof. Julius Shaneson |
| | ○ *Fano varieties of K3 type* , Dr. Enrico Fatighenti |
| 2023-2024 | **As a PhD student** |
| | ○ *Fibrati iperolomorfi e loro spazi di moduli*, Dr. Francesco Meazzini |
| | ○ *Introduction to toric varieties*, Dr. Andrea Petracci |
| | ○ *Automorphisms of compact hyperkähler manifolds*, Dr. Annalisa Grossi |
| | ○ *Lectures on Complex Lagrangians*, Prof. Justin Sawon, (visiting from University of North Carolina, USA) |
| | ○ *Derived Categories of Rational Homogeneous Varieties*, Dr. Marco Rampazzo |

## Past conferences

| Sep 2024 | Presented a poster at **Ricercatori in algebra e geometria** , Milano, Italy |
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| - | Presented a poster at **New perspectives on hyperkähler manifolds and moduli of vector bundles, a conference in honour of Kieran G. O'Grady** , Cetraro, Italy |
| March 2024 | Given a Junior Talk at the **LEGAL (Liberdade em Geometria Algébrica)**, Teresópolis, Rio de Janeiro, Brasil |
| Sep 2023 | Partecipated in the **School: K3 surfaces, hyperkähler manifolds, and cubic fourfolds**, Hausdorff Research Institute for Mathematics, University of Bonn, Germany |
| July 2023 | Partecipated in the **Summer School 2023 on Algebraic Geometry: Derived Categories, Stability Conditions, and Moduli**, Techion Institute in Haifa, Israel |
| May 2023 | Attended the **Japanese-European Symposium on Symplectic Varieties and Moduli Spaces**, University of Milan, Italy |

## Extra

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| Sep 2021 -June 2022 | **Staying at the Fondation Biermans-Lapôtre in the Cité Internationale Universitaire de Paris**, Paris, France |

## Referees

### Giovanni Mongardi
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### Luca Migliorini
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### Enrico Fatighenti
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