

LUIGI MARTINELLI

Nationality: Italian

DOB: 6 Oct 1996

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Wohnung 33, 33619 Bielefeld, Germany

EMPLOYMENT

Postdoctoral researcher – Universität Bielefeld

Jan 2024 – now

Supervisor: CHARLES VIAL

EDUCATION

PhD in Mathematics – Université Paris-Saclay

Dec 2023

Thesis title: Towards a categorical resolution of some singular moduli spaces on a K3 surface

Supervisor: EMANUELE MACRÌ

Hausdorff Institute for Mathematics – Bonn

Sept – Dec 2023

Junior Trimester Program in Algebraic Geometry

ALGANT Double Degree:

Sept 2020

- **Master Degree in Mathematics** – Università degli Studi di Padova

Final mark: 110/110 cum Laude

- **Master 2 in Mathematics** – Université Paris-Sud

Specialisation: Analyse, Arithmétique, Géométrie

Final mark: Très bien

Thesis title: Singular moduli spaces on K3 surfaces and derived categories

Supervisor: EMANUELE MACRÌ

Bachelor Degree in Mathematics – Università degli Studi di Padova

Jul 2018

Thesis title: Serre's problem on projective modules

Supervisor: LUISA FIOROT

Final mark: 110/110 cum Laude

PUBLICATIONS AND PREPRINTS

L. MARTINELLI, *Higher-dimensional O'Grady's resolutions and their exceptional locus*, Preprint 2025, <https://arxiv.org/abs/2502.20094v2>.

W. CATTANI, F. GIOVENZANA, S. LIU, P. MAGNI, L. MARTINELLI, L. PERTUSI, J. SONG, *Kernels of categorical resolutions of nodal singularities*, Rendiconti del Circolo Matematico di Palermo Series 2 (895), 2023, <https://link.springer.com/article/10.1007/s12215-023-00895-3>.

ORGANISED EVENTS

Géométrie Algébrique en Liberté XXIX – Laboratoire de Mathématiques d'Orsay 23 – 27 May 2022

Summer school organised with E. ALVES DA SILVA, H. DELL, T. DUARTE GUERREIRO, E. ETXABARRI-ALBERDI, J.-D. FERNANDEZ-CABALLERO, T. GOMEZ.

TALKS

<i>Seminar Algebraic Geometry</i> – Max Planck Institute for Mathematics, Bonn	10 Jul 2025
<i>Informal workshop ANR FanoHK</i> – Institut de Mathématiques de Bourgogne, Dijon	17 Jun 2025
<i>Algebraic Geometry seminar</i> – IMPAN, Warsaw	28 Mar 2025
<i>Algebraic Geometry seminar</i> – IMPAN, Krakow	26 Mar 2025
<i>Algebraic geometry – A three-day workshop</i> – Università degli Studi di Milano	15 Nov 2024
<i>Workshop on Enriques manifolds</i> – Université Paris Cité	12 Mar 2024
<i>Séminaire de géométrie algébrique</i> – Université de Lille	13 Jun 2023
<i>Welcome day of the Hadamard doctoral school of Mathematics</i> – IHES, Bures-sur-Yvette	17 Oct 2022

TEACHING

<i>Geometry and Topology II</i> (Tutor) – Universität Bielefeld	Winter 2025
<i>Calculus II</i> (Tutor) – Universität Bielefeld	Summer 2025
<i>Algebraic Geometry IV</i> (Tutor) – Universität Bielefeld	Winter 2024
<i>Fourier Analysis for Physics</i> (Tutor) – Université Paris-Saclay	Summer 2023
<i>Differential Equations for Biology</i> (Tutor) – Université Paris-Saclay	Winter 2022
<i>Fourier Analysis for Physics</i> (Tutor) – Université Paris-Saclay	Summer 2022
<i>Linear Algebra</i> (Tutor) – Université Paris-Saclay	Winter 2021
<i>Fourier Analysis for Physics</i> (Tutor) – Université Paris-Saclay	Summer 2021
<i>Linear Algebra</i> (Tutor) – Université Paris-Saclay	Winter 2020

I mentored some students (two in 2020, three in 2022) attending the *Analyse, Arithmétique, Géométrie* master program at Orsay with a scholarship of the *Fondation Mathématiques Jacques Hadamard*.

SCHOLARSHIPS

<i>Bielefeld Young Researchers' Fund</i> – Travel grant €4,900	2025
Scholarship award from the <i>Fondation Mathématiques Jacques Hadamard</i> €10,000	2019
Scholarship award from the Mathematics department of the University of Padua €7,372	2018
<i>Mille e una lode</i> – Excellence grant from the University of Padua €1,000	2015, 2016, 2017

LANGUAGES

<i>Italian:</i>	native speaker
<i>English:</i>	fluent (Cambridge Certificate in Advanced English – grade C, March 2015)
<i>French:</i>	fluent (I attended a one-semester FLE course of level B2/C1)
<i>German:</i>	good (I attended a one-semester course of level B1)
<i>Latin:</i>	good

OTHER ACTIVITIES

Classical guitar – <i>Civica Scuola di Musica</i> , Bormio, Italy	2002 – 2008
Organ – <i>Civica Scuola di Musica</i> , Bormio, Italy	2009 – 2014
Music Theory exam – <i>Conservatorio “Claudio Monteverdi”</i> , Bolzano, Italy	Sept 2010
Schola Aestiva MMXIV – <i>Veneranda Biblioteca Ambrosiana</i> , Milan, Italy	Jun 2014
Choral singing – <i>Chorale Achor</i> , Orsay, France	2021 – 23
Harmony and Ancient Music Workshop – <i>Conservatoire intercommunal</i> , Palaiseau, France	2022 – 23