MATTIA MORBELLO

❱ Status: PhD student in Mathematics at Université de Rennes

❱ Website: mattiamorbello.github.io

❱ Languages: Italian, French (DALF C2), English (Cambridge B2), Spanish (A2)

❱ Interests: Complex Geometry, Meromorphic Connections, Painlevé equations, Foliations

❱❱❱ EDUCATION

2023 - now   **PhD - Université de Rennes, France**

❱ Research project: Modular Groupoid, irregular connections, ans dynamics
❱ Supervisor: Prof. Frank Loray

2022 - 2023 **Master 2 - Université de Rennes, France**   16.75/20

❱ Fundamental mathematics - Algebra and Geometry
❱ Thesis title: Character Varieties, the 4-Punctured Sphere, and Symplectic Structures
❱ Supervisor: Prof. Frank Loray

2019 - 2022 **Laurea Magistrale (Master) - Università di Torino, Italy**   110/110 cum laude

❱ Thesis title: Complex Geometry through the Eyes of a Torus
❱ Supervisor: Prof. Tommaso Pacini

2016 - 2019 **Laurea Triennale (Bachelor), Università di Torino, Italy**   102/110

❱❱❱ SCHOLARSHIPS AND FOUNDINGS

2022 - 2023 **M2 Scholarship - Centre H. Lebesgue - Université de Rennes 1**

One year scholarship for the M2 maths fundamentales at Rennes University.

2024 - 2025 **PhD outgoing mobility - Collège doctoral de Bretagne**

Two months stay in Rio de Janeiro for a scientific collaboration at IMPA and UFF.

❱❱❱ SUMMER/WINTER SCHOOLS

❱ Dijon - *Algebraic Geometry and Physics* - August 2023
❱ Anger - *Métriques kählériennes et les équations de Monge-Ampère* - December 2022

❱❱❱ ABROAD EXPERIENCES

May-June '25 **Visiting PhD student - IMPA - Rio de Janeiro**

Under the supervision of J. V. Pereira and G. Calsamiglia I had the opportunity to present my work and improve my knowledge about singular foliations, stable curves, and MMP.

Mattia Morbello · PhD student · Rennes, France · **mattia.morbello@univ-rennes.fr**

PUBLICATIONS

Nov 2025	**Moduli space of connections on a irregular rational curve - ArXiv**

TALKS

22 Jan 2026	**Quimperiodique - CHL**
25 Jun 2025	**Seminário de Geometria Algébrica e Geometria Complexa - UFF**
5 Jun 2025	**Seminário de Folheações Holomorfas - IMPA**
29 May 2025	**Estruturas geométricas em variedades - IMPA**
9 Jan 2025	**PhD seminar - Pampers - IRMAR**
19 Dec 2024	**Journée d'équipe GAN - IRMAR**
23 May 2024	**POSTER - Quimperiodique - CHL**
14 May 2024	**Journées des Doctorant·e·s - IRMAR**
13 May 2024	**PhD seminar - LMBA**
8 Feb 2024	**PhD seminar - Compréhensible - Institut Fourier**
25 May 2023	**PhD seminar - Pampers - IRMAR**
27 Nov 2020	**MERENDA SIN(OIRA) - Università di Torino**

CONFERENCES

- CARE - October 2025
- Quimperiodique - October 2025
- Workshop on Foliations and Singularities - June 2025
- Équations différentielles et aux différences - April 2025
- GDR - Algebraic Geometry and Complex Geometry - November 2024
- Quimperiodique - October 2024
- Singularities in Paris - Septembre 2024
- Conférence EPIGA - June 2024
- Conference à la mémoire de Jean-Pierre Demailly - June 2024
- Quimperiodique - May 2024
- Brazil-France School on Foliation Theory - February 2024
- GDR - Géométrie Algébrique et Géométrie Complexe - October 2023
- Quimperiodique - October 2023

RESPONSIBILITIES

2023-26	**Member of the *Commission parité* - IRMAR**
2023-25	**Student representative for the UFR mathématiques - IRMAR**
2017-21	**Student representative for math department - UniTo**
2020-22	**President of student association Matrice Comunitaria - UniTo**

❱❱❱ STUDENTS

❱ Corentin Duhamel - M2 seminar - *The first Chern class of a line bundle* - 2025

❱❱❱ ORGANISATION

2024-2025	**Journées des Doctorant·e·s - IRMAR**
2024-2025	**Organiser of PhD seminar - Pampers - IRMAR**
2023-2024	**Journées des Doctorant·e·s - IRMAR**
11 Mars '24	**Égalité et sciences: la place des femmes - Universitè de Rennes**
21-22 Dec '23	**Welcome Home - Università di Torino**
2022	**Reading cours: Complex Geometry - Università di Torino**
2019 - 2022	**Seminar: MERENDA SIN(OIRA) - Università di Torino**

❱❱❱ TEACHING EXPERIENCES

2023 - 2027	**TD lecturer - Université de Rennes**

❱ MAT 2 - L1 SVE
❱ MOM - Mathematical Modelling - L1 Mathematichs

2022 - 2024	**DIU ORA - Université de Rennes 1**	35 hours

Mathematical problem solving in geometry, algebra and probability

2019 - 2022	**Teaching Assistant, Università di Torino**

❱ TA for Geometry 1, math department, 150 hours
❱ TA for Analysis II, physics department, 100 hours
❱ TA for Analysis III, physics department, 25 hours
❱ TA for Analysis II, math department, 50 hours
❱ TA for Rational Mechanics, math department, 10 hours

2021 - 2022	**Math tutor, Istituto Beccari**	40 hours
2017 - 2020	**Math tutor, Liceo Classico Vittorio Alfieri**	

❱❱❱ DIVULGATION OF MATHEMATICS

❱ Projet *Les sciences c'est leur chance* - December 2025

❱ Club Rennes et Math - Graphes, distances et selfish routing - December 2024

❱ Club Rennes et Math - Introduction à la théorie des jeux - January 2024

❱ Come Volevasi Divulgare - 2020/21