



EDUCATION

- **PhD student** October 2022-present
Universität Münster
- **Master's Degree** 2019-2022
Università di Pisa, 110/110 cum laude
- **Exchange Semester** Spring 2021
ETH Zürich
- **Bachelor's Degree** 2015-2019
Università di Pisa, 99/100
- **High School Diploma** 2010-2015
Liceo Scientifico E.Fermi, Alghero, 100/100 cum laude

RESEARCH INTERESTS

Mathematical General Relativity and its geometric hyperbolic PDEs. I am currently focusing on stability properties of asymptotically Anti-de Sitter spacetimes. More specifically, I am interested in the effect of dissipative boundary conditions on solutions of wave-like PDEs, like the (conformal) wave equation and Regge-Wheeler equation, on the Schwarzschild–AdS background. My past interests and background mostly include conformal and Riemannian geometry and elliptic PDE theory.

AWARDS & HONORS

Ada Lovelace Fellowship, Mathematisches Institut Universität Münster, 2023

TALKS & SEMINARS

- **Munster - Imperial Day in PDE,** October 2024
Wave equations on asymptotically Anti-de Sitter black holes.
- **British Isles Graduate Workshop V: Mathematical General Relativity,** July 2024
Lightning talk: An Integrated Decay Estimate for the wave equation in Schwarzschild-AdS.
- **ASAAP Seminar at Gran Sasso Science Institute,** February 2024
The linear stability problem for the Schwarzschild-Anti de Sitter spacetime.

EDUCATIONAL ACTIVITIES

- **Summer Graduate School on the Mathematics of General Relativity and Fluids** July 22 – August 2 2024
Foundation for Research and Technologies, Heraklion, Greece
- **British Isles Graduate Workshop V: Mathematical General Relativity,** July 2024
Coalport, UK
- **Visiting PhD student** 1 September - 15 October, 2023
Princeton, USA
- **Summer School on Differential Geometry** July 2018
Calouste Gulbenkian Foundation, Lisbon, Portugal

LANGUAGE SKILLS

Italian: native speaker
English: fluent (CPE, IELTS, TOEFL)
German: beginner (A1)