

Giacomo Ageno

Curriculum Vitæ

(Updated on March 5, 2025)

Department of Pure Mathematics
and Mathematical Statistics
University of Cambridge
UK

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Research Positions

Sept 2023 – present **Research Associate, DPMMS, University of Cambridge**
Host: Prof. Pierre Raphaël

June 2023 – Aug 2023 **Research Associate, University of Bath**
Host: Prof. Manuel del Pino

Education

- 2023 **PhD in Mathematics, University of Bath**
First Supervisor: Manuel Del Pino. Second supervisor: Monica Musso
Thesis: Infinite-time blow-up for the nonlinear heat equations in low dimension
- 2018 **Master degree in Mathematics, Università degli Studi di Milano**
110/110 cum Laude. Supervisor: Bernhard Ruf
Thesis: On the De Giorgi-Nash-Moser theory and an application in fluid dynamics
- 2016 **Bachelor degree in Mathematics, Università degli Studi di Milano**

Research

G. Ageno, M. del Pino. Infinite time blow-up for the three dimensional energy critical heat equation in bounded domains. *Math. Ann.* (2024). [Link](#)

Teaching

Michaelmas 2024-25 **Example Classes Instructor for Analysis of PDE, Tripos, Part III**
Lecturer: Clément Mouhot

2019-2023 **Teaching assistant, University of Bath**
Exercise class for: Real and Complex analysis, Probability, Vector calculus and PDEs

Other Academic contributions

- Dec 2023 - present **Postdoctoral Affiliate of Trinity College, University of Cambridge**
- April 2024 - present **Organizer of PDE seminar, University of Cambridge**
- Dec 2023, 2024 **Interviewer for Mathematical Tripos, University of Cambridge**
St Catharine's College

Referee for

Proceedings of the London Mathematical Society
Calculus of Variations and Partial Differential Equations
Advances in Nonlinear Analysis

Grants

- 2018-2022 Royal Society PhD grant (4 years). University of Bath
- 2017 regional grant for merit (1 year). Università degli Studi di Milano
- 2017 Erasmus scholarship (6 months). Università degli Studi di Milano

Invited Speaker in seminars

- December 2024 The 14th AIMS Conference, Abu Dhabi.
Special session 1: Nonlinear elliptic and parabolic equations and related functional inequalities.
Special session 2: Blow-ups and dynamics of nonlinear parabolic equations.
- January 2024 Cambridge PDE Seminar
- November 2023 London PDE Seminar
- October 2023 Young researchers in PDEs, ICMAT Madrid
- May 2023 Seminario di Analisi Matematica, Università degli Studi di Milano
- March 2023 Analysis Seminar, University of Bath

Participation in conferences

- Feb 2025 Workshop Nonlinear Waves and Hamiltonian PDE's, Courmayeur
- July 2024 Summer School in Nonlinear PDEs, Swansea
- June 2024 UCL - Nonlinear Waves and Fluids, London
- March 2024 13th Oxbridge PDE Conference, Oxford
- Sept 2023 Young researchers in PDEs, ICMAT, Madrid
- July 2023 Non-linear elliptic PDE, ICMAT, Madrid
- May 2023 Advances in Nonlinear Analysis and Nonlinear Waves, a conference in honor of Frank Merle, Paris
- May 2019 Courses on PDE and Fluid Mechanics, Warwick
- Feb 2019 Winter School in Calculus of Variations, CIMI institute, Toulouse
- Jun 2018 16th School on Interaction between Dynamical Systems, and Partial Differential Equations, Barcelona
- Jun 2018 Summer School in Geometric Analysis, CIME, Cetraro
- Jun 2018 Nonlinear PDEs in Geometry and Physics, INDAM, Cortona