

Giacomo Ageno

Curriculum Vitæ

(Updated on April 23, 2024)

Department of Pure Mathematics
and Mathematical Statistics
University of Cambridge
UK

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Personal information

Citizenship Italian
Language Italian (native), English (fluent)

Research Positions

Sept 2023 – present **Research Associate**, *University of Cambridge*
Host: Prof. Pierre Raphaël
June 2023 – Aug 2023 **Research Associate**, *University of Bath*
Host: Prof. Manuel del Pino

Education

Oct 2018 – April 2023 **PhD in Mathematics**, *University of Bath*,
Graduation date: 28 June 2023
First Supervisor: Manuel Del Pino. Second supervisor: Monica Musso
Thesis: Infinite-time blow-up for the nonlinear heat equations in low dimension
Apr 2018 **Master degree in Mathematics**, *Università degli Studi di Milano*,
Graduation date: 13 April 2018, grade: 110/110 cum Laude
Supervisor: Bernhard Ruf
Thesis: On the De Giorgi-Nash-Moser theory and an application in fluid dynamics
Erasmus (1 semester) at Wrocław University of Science and Technology
2016 **Bachelor degree in Mathematics**, *Università degli Studi di Milano*

Research

Submitted preprint

- (1) G. Ageno and M. del Pino. Infinite time blow-up for the three dimensional energy critical heat equation in bounded domains, 2023. [arXiv:2301.10442](https://arxiv.org/abs/2301.10442)
Accepted for publication in *Mathematische Annalen*

Grants

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

Teaching and Academic contributions

- 2019-2023 **Teaching assistant**, *University of Bath*
Tutorials for: Mathematical analysis, Complex analysis, Probability, Vector calculus and PDEs
- Dec 2023 **Interviewer for Mathematical Tripos**, *University of Cambridge, St Catharine's College*
- Dec 2023 - present **Postdoctoral Affiliate of Trinity College**, *University of Cambridge*
- April 2024 - present **Organizer of PDE seminar**, *University of Cambridge*

Invited Speaker in seminars

- December 2024 (Upcoming) 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

- 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

Referee for

Calculus of Variations and Partial Differential Equations