

Annamaria Ortu

Curriculum Vitae

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✉ aortu@sissa.it
📍 Office 102, Via Bonomea 265, 34136 Trieste, Italy
🌐 <https://annamariaortu.github.io>
🆔 orcid.org/0000-0002-5636-276X

Education

- January-March 2022 **Visiting PhD student**, *Univeristy of Cambridge and Gonville & Caius College*.
Funded by Ruadhaí Dervan's Royal Society University Research Fellowship.
- October 2019 - present **PhD student in Geometry and Mathematical Physics**, *SISSA Scuola Internazionale di Studi Superiori Avanzati, Trieste*.
Supervisors: Ruadhaí Dervan and Jacopo Stoppa.
- September 2019 **Master degree in Mathematics**, *Università degli Studi di Trieste - joint program "Percorso formativo comune" with SISSA*.
Thesis title: "The constant scalar curvature equation on Kähler toric surfaces". Supervisor: Jacopo Stoppa.
- July 2017 **Bachelor degree in Mathematics**, *Università degli Studi di Milano Statale*.

Research papers

- preprint **The analytic moduli space of holomorphic submersions**, *ArXiv preprint: 2306.09137*.
- article **Optimal symplectic connections and deformations of holomorphic submersions**, *Advances in Mathematics*, Vol 414, 2023.
<https://doi.org/10.1016/j.aim.2023.108868>.
Link to the arXiv version: [2201.12562](https://arxiv.org/abs/2201.12562)

Talks

Conferences and Seminars

- April 2023 **Conference "Around Complex Geometry"**, *University of Illinois, Chicago*.
- April 2023 **Kähler Geometry Seminar**, *UQÀM, Montréal*.
- April 2023 **AMS Eastern Spring Sectional Meeting, special session "Recent advances in differential geometry"**, *online*.
- March 2023 **Algebraic Geometry Seminar**, *University of Glasgow*.
- March 2023 **Geometry Seminar**, *Università degli studi di Firenze*.
- October 2022 **Geometric Analysis Seminar**, *Purdue University*.
- October 2022 **Geometry and Topology Seminar**, *University of Illinois, Chicago*.
- September 2022 **Conference "Complex Analysis and Complex Geometry"**, *Bellavista Relax Hotel, Levico, organised by CIRM-FBK*.
- June 2022 **Conference "Kähler and non-Kähler geometry: new developments and interactions"**, *Aarhus Institute of Advanced Studies*.

- June 2022 **Workshop “MARGE - Young researchers in Kähler and Hermitian geometry”**, *Université de Montpellier*.
- April 2022 **KASS Seminar**, *Chalmers University, Gothenburg*.
- February 2022 **Algebraic Geometry Seminar**, *University of Cambridge*.
- December 2021 **Conference “EDGE Days 2021: Explicit K-stability and moduli problems”**, *University of Edinburgh*.
- [Talks at Schools and Junior Events](#)
- June 2023 **Summer school “Recent advances in Kähler geometry”**, *Le Croisic*, Invited Talk.
- May 2022 **Summer school “GAEL XXIX - Géométrie Algébrique en Liberté”**, *Université Paris-Saclay*, Contributed Talk.
- February 2022 **Junior Geometry Seminar**, *University of Cambridge*.
- February 2022 **KCL/UCL Junior Geometry Seminar**, *King’s College, London*.
- December 2021 **Conference “PhD Days 2021”**, *Università degli studi di Milano Statale*, Invited Talk.

Organisational Activities

- 2023 **SISSA Junior Geometry and Mathematical Physics Seminar**, Co-organiser.
- 2021 **SISSA Junior Math Days**, *December 2021*, Co-organiser.
The Junior Math Days are a three-day event organised every year by the math PhD students at SISSA, aimed at master students interested in research.
- 2021-2022 **Graduate Interuniversity Math Seminar**, *online*, Co-organiser.
The GIM seminar ([webpage](#)) was a series of online talks, in the spirit of “What is” talks, organised by and aimed for PhD students and young researchers in different fields of mathematics.

Teaching

- Spring 2023 TA for the master course Differential Geomtry held at SISSA by Prof. Jacopo Stoppa.
- Autumn 2018 TA for the undergraduate course Geometria 3A (differential geometry of curves and surfaces) held at the University of Trieste by Prof. Mattia Mecchia, *20 hours*.

Service

- Since March 2022 Member of European Women in Mathematics.
- Since January 2020 Member of the INdAM group GNSAGA (Gruppo Nazionale per le Strutture Algebriche, Geometriche e le loro Applicazioni).

Outreach

- May 2023 **Speaker at the event “Matematici al Lavoro”** organised by the University of Trieste to present possible career paths to undergraduate students in Mathematics.
- 2020-2021 **Volunteer in the “SISSA for School” program** run by SISSA Medialab to promote science and research among teenagers and children.