

Annamaria Ortu

Curriculum Vitae

Last update:
October 28, 2023

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Position

Since November 2023 **Postdoctoral researcher**, *Univeristy of Gothenburg, Sweden*.
January-March 2022 **Visiting PhD student**, *Univeristy of Cambridge and Gonville & Caius College*.
Funded by Ruadhaí Dervan's Royal Society University Research Fellowship.

Education

September 2023 **Ph.D. in Geometry and Mathematical Physics**, *SISSA Scuola Internazionale di Studi Superiori Avanzati, Trieste*.
Thesis title: "The geometry of holomorphic submersions, their deformations and moduli".
Supervisors: Ruadhaí Dervan and Jacopo Stoppa.
September 2019 **Master degree in Mathematics**, *Università degli Studi di Trieste - joint programme "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>.

Invited Talks

Conferences

August 2023 Conference "*Analytic Methods in Complex Geometry*".
University of Münster
June 2023 Summer school "*Recent advances in Kähler geometry*".
Le Croisic
April 2023 Conference "*Around Complex Geometry*".
University of Illinois, Chicago
April 2023 AMS Eastern Spring Sectional Meeting, special session "*Recent advances in differential geometry*".
online

- 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
- December 2021 Conference “*EDGE Days 2021: Explicit K-stability and moduli problems*”.
University of Edinburgh

Seminars

- October 2023 Università di Parma, *Mathematics Seminar*.
- April 2023 UQÀM, Montréal, *Kähler Geometry Seminar*.
- March 2023 University of Glasgow, *Algebraic Geometry Seminar*.
- March 2023 Università degli studi di Firenze, *Geometry Seminar*.
- October 2022 Purdue University, *Geometric Analysis Seminar*.
- October 2022 University of Illinois, Chicago, *Geometry and Topology Seminar*.
- April 2022 Chalmers University, Gothenburg, *KASS Seminar*.
- February 2022 University of Cambridge, *Algebraic Geometry Seminar*.

Talks at Junior Events

- May 2022 Summer school “*GAEL XXIX - Géométrie Algébrique en Liberté*”.
Université Paris-Saclay. Contributed Talk
- February 2022 University of Cambridge, *Junior Geometry Seminar*.
- February 2022 King’s College, London, *KCL/UCL Junior Geometry Seminar*.
- December 2021 Conference “*PhD Days 2021*”.
Università degli studi di Milano Statale

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 (Geometry group within the Italian Institute of Mathematics).

[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.

2020-2023 **Volunteer in the “SISSA for School” programme** run by SISSA Medialab to promote science and research among teenagers and children.