Annamaria Ortu

Curriculum Vitae

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Position

Since November 2023	**Postdoctoral researcher**, *Univerisity 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. Available on Iris
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*

Publications and Preprints

preprint	**Constant scalar curvature Kähler metrics and semistable vector bundles**, *with Lars Martin Sektnan* ArXiv preprint: 2306.09137
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 and Academic Visits

Spring 2024	I participated in the thematic programme *"New equivariant methods in algebraic and differential geometry"*, Isaac Newton Institute, Cambridge

Conferences

May 2024	Conference *"K-stability and moment maps"*, within the programme *"New equivariant methods in algebraic and differential geometry"* Isaac Newton Institute, Cambridge

March 2024	Conference *"Asymptotic Methods in Complex Geometry"* in memory of Steve Zelditch Nothwestern University
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

February 2024	University of Nottingham, *Algebraic Geometry Seminar*, online
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

Grant

2024	GNSAGA - INdAM travel grant to visit Gábor Székelyhidi at Northwestern University, *March 2024*

Activities I co-organised

2024	**Complex geometry seminar**, *within the programme "New equivariant methods in algebraic and differential geometry"* Isaac Newton Institute, Cambridge
2023	**SISSA Junior Geometry and Mathematical Physics Seminar**
2021	**SISSA Junior Math Days**, *December 2021* 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* 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