Curriculum Vitae Europass

Personal details

Name — Andrea Drago

Working experiences

2021 — **Teaching Assistant**
LUISS University, Rome

- Mathematical Methods for Economics and Finance (master's degree)
- Mathematics I (bachelor's degree)

2020 — **Tutor**
University La Sapienza, Rome

- Analysis I (bachelor's degree in Mathematics)

Education

2019 - 2024 — **PhD in Mathematics**
University of Rome La Sapienza

- Thesis: "Topological finiteness and stability of hyperbolizable manifolds" under the supervision of Andrea Sambusetti
- PhD scholarship for the Mathematics program at Vito Volterra Doctoral School

2015 - 2019 — **Master in Mathematics**
University of Rome La Sapienza

- Tesi: "Calabi-Yau categories from triangulated surfaces" (110/110 cum laude)
- Erasmus at Université de Paris Pierre et Marie Curie

2012 - 2015 — **Bachelor in Mathematics**
University of Rome La Sapienza

- Thesis: "Il modello di fluidodinamica relativistica di Robertson-Walker" (110/110 cum laude)
- Part of the Honours Program

Workshops, conferences, etc

2024 — **Participant**
Workshop "Mathematical and Machine Learning based approaches in Climate Science", University of Bath

2024 — **Speaker**
"Doctorate Day Seminar", La Sapienza, Rome

- Title: "Volume entropy as a large scale analogue of negative curvature"

2023 — **Invited Speaker**

	"Geometry Graduate Colloquium", ETH, Zurich • Title: "Entropy and curvature in low dimensional topology"
2022	**Paritcipant with poster** Conference "Symmetry and shape", USC, Santiago de Compostela • Title: "Local topological rigidity of atoroidal manifolds"
2022	**Participant** Workshop on "Complex Geometry and Geometric Group Theory", KIT, Karlsruhe
2022	**Paritcipant with poster** Conference "Spaces, Structures, Symmetries", University Aldo Moro, Bari • Title: "Local topological rigidity of atoroidal manifolds"
2021	**Participant** Summer School "Curvature constraints and metric spaces", Institut Fourier, Grenoble
2019	**Participant** Conference "Calabi-Yau and Geometry", University La Sapienza, Rome
2018	**Participant** "Junior Math Days", SISSA, Trieste
2017	**Participant** Conference "Degeneration of Calabi-Yau varieties and arithmetic", Freiburg University
2017	**Participant** Summer School "Contemporary Perspectives in Geometry", IRMA, Strasbour
2017	**Participant and speaker** Conference "Analogies 2017 Student Symposium", University Paris-Diderot • Talk on the torus systolic inequality
Artistic, organizing, and commmunication activities	
2024	**Participant** Storytelling workshop "Until lions have their historians", MACRO, Rome
2024	**Organizer and participant** 3 months theater workshop, "InterAzioni LAB: scenari sostenibili", Rome
2013-2023	**Writer, actor, and organizer** Mathematical recital, "Natale al Castelnuovo", Rome
2022	**Participant** International artistic residence, "ArtXChange program", Rome
2019-2013	**Support in the organization** Regional team olympiad competitions (Sapienza 2019, 2018, 2016, 2015, 2014, 2013), Mediterranean Youth Mathematical Championship (Sapienza 2016, Tor Vergata 2018)
2015-2019	**Scientific guide** La scienza illumina (Sapienza 2015), Festival della scienza (Genova 2019, 2018)
Languages	
	Italian, native
	English, proficient
	French, fluent

	Spanish, beginner
	German, beginner
IT and Programming	
	General, Proficient
	Collaborative tools, Proficient
	Python, Proficient
	LaTeX, Proficient
	C++, Advanced
	MATLAB, Good
Interpersonal skills	
Communication	Excellent communication and presentation skills developed through numerous talks at scientific conferences and seminars.
Teamwork	Experience in coordinating working groups and team building activities, developed as local coordinator of Extinction Rebellion Rome.
Adaptability	Ability to adapt to multicultural contexts, acquired through study and work experiences abroad, particularly during the Erasmus program and international art residencies.
Problem solving	Ability to solve complex problems, developed through advanced mathematical research and participation in transformative justice workshops.
Scientific publications	
In preparation	**Topological finiteness of hyperbolizable manifolds with bounded entropy** joint work with A. Sambusetti
In preparation	**Local topological rigidity of atoroidal 3-manifolds** joint work with A. Sambusetti
Non-scientific publications	
2013	**Un'idea di equilibrio come bene comune** in "Roma per vivere, Roma per pensare... Idee per il bene comune", p. 158-161, ISBN 978-88-6060-510-8, Palombi Editore, Roma