

Alejandro Maris

Curriculum Vitæ

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Education

- 2025 – 2028 **PhD in Mathematics**,
IHÉS — Institut des Hautes Études Scientifiques,
Paris, France
Thesis title : *Higher Dimensional Higher Rank Teichmüller Theory*
Supervisor : Fanny Kassel
- 2024 – 2025 **Master Jacques Hadamard Mathématiques et Applications : Analyse, Arithmétique, Géométrie**,
Université Paris-Saclay, Paris, France,
Master's thesis : “Gromov-Thurston Manifolds, Pseudo-Riemannian Hyperbolic Geometry and Higher Higher Teichmüller Spaces”
Supervisor : Fanny Kassel
- 2023 – 2025 **Master of Advanced Study in Pure Mathematics**,
University of Cambridge, Girton College, Cambridge, United Kingdom,
Essay : “Cobordism”
Essay setter : Oscar Randal-Williams
- 2019 – 2023 **Bachelor of Arts – Major in Mathematics**,
Cornell University, Ithaca, United States of America,
Senior Honour's thesis : “On the Product of a Building as a Poset of Standard Cosets”
Supervisor : Marcelo Aguiar

Awards

- 2025 **Scholarship « Programme blanc » of the Graduate School Mathématiques**, *École Doctorale de Mathématiques Hadamard*
- 2024 **Sophie Germain Scholarship**, *Institut Polytechnique de Paris & Université Paris-Saclay*
- 2023 **Harry S. Kieval Prize in Mathematics**, *Cornell University*
- 2023 **Sánchez Award**, *University of Cambridge, Girton College*
- 2023 **Meyer Scholarship**, *University of Cambridge, Girton College*
- 2022 **Honorable Mention in the International Mathematics Competition for University Students**, *Blagoevgrad, Bulgaria*
- 2019 **Davis United World College Scholarship**, *Cornell University*

- 2017 **United World College Scholarship**, *United World College in Mostar, Bosnia and Herzegovina*
- 2016 – 2017 **National Maths Olympic Champion, Venezuelan Mathematical Olympiads**, *bronze 2016, silver 2017*

Research Stays

- March 2026 **Invited Researcher**, *Université du Luxembourg, Esch-sur-Alzette, Luxembourg, Mentor : Jean-Marc Schlenker*

Invited talks

- August 2026 *Compact Clifford–Klein Forms : Constructions and Obstructions*, Hohenwart, Germany
- October 2025 *École Doctorale de Mathématiques Hadamard – Gong Presentation*, IHÉS, Bures-sur-Yvette, France
- May 2023 *Cornell Discrete Geometry and Combinatorics Seminar*, Cornell University, Ithaca, United States of America

Conferences Attended

- January 2026 *Winter School Côte d’Azur – ERC-AnSuR Geometric Analysis and Surface Groups*, Université Côte d’Azur, Nice, France
- November 2025 *Réseau de recherche Tétraèdre de Platon : Paroles aux jeunes chercheurs*, Université de Montpellier, Montpellier, France
- September 2025 *Actions in Group Theory & Group Theory in Action*, Université de Nancy, Nancy, France
- July 2025 *IHÉS Summer School : Dynamics, Actions and Rigidity*, Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France
- June 2025 *Low-dimensional Phenomena : Geometry and Dynamics*, Institut Henri Poincaré, Paris, France
- May 2025 *Higher Rank Geometric Structures, Higgs Bundles and Physics*, Institut Henri Poincaré, Paris, France
- April 2025 *Introductory School : Geometric Structures and Discrete Group Actions*, Centre International des Rencontres Mathématiques – CIRM, Marseille, France
- April – July 2025 *Thematic Trimester : Higher Rank Geometric Structures*, Institut Henri Poincaré, Paris, France

Teaching & Outreach

- 2025 **Teaching Assistant in Complex Analysis**, *École Polytechnique, Paris, France*

- 2023 **Mathematics Tutor**, *Pre-Collegiate Summer Scholars Program – Cornell University, Ithaca, United States of America*
- 2020 **Mathematics Tutor**, *Math Support Center – Cornell University, Ithaca, United States of America*
- 2017 – 2019 **Mathematics and Physics Tutor**, *Maths and Physics Task Force – United World College in Mostar, Mostar, Bosnia and Herzegovina*

■ Languages

Spanish Mother tongue
English C2 – fluent
French C2 – fluent

■ Programming

Mathematica
SAGE
Python