

Suzanne Schlich

Post-doctoral fellow

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Employment

- 2024 – 2026 **Post-Doc**, Università degli Studi di Torino, Dipartimento di Matematica "Giuseppe Peano", ERC GENERATE, visiting the Institut Fourier, Grenoble in 2024/2025
Mentor : Andrea Seppi
- 2023 – 2024 **Post-Doc**, Université Grenoble Alpes, Institut Fourier, ANR "GAPR: Geometry and Analysis in the Pseudo-Riemannian setting"
Mentor : Andrea Seppi

Education

- 2019 – 2023 **PhD in Mathematics**, Université de Strasbourg, Université de Lille, IRMA, Laboratoire Paul Painlevé
Title : *Primitive-stable and Bowditch actions on hyperbolic spaces.*
Supervised by François Guéritaud.
Defended September 15, 2023.
- 2018 – 2019 **Master in Pure Mathematics**, Sorbonne Université, École Normale Supérieure Paris-Saclay
- 2017 – 2018 **Aggregation of mathematics**, École Normale Supérieure Paris-Saclay, admitted (rank 22/315)
Higher-education teaching competition, Option : Probability and Statistics
- 2014 – 2015 **Bachelor in Mathematics**, École Normale Supérieure Paris-Saclay, Université Paris-Diderot

(Pre)-publications

- **Bowditch representations in Gromov-hyperbolic spaces : characterizations, dynamics of $\text{Out}(\mathbb{F}_2)$ and recognition**, Suzanne Schlich
<https://arxiv.org/abs/2511.10551>
- **Simple-stable and Bowditch representations of the four-punctured sphere group in Gromov-hyperbolic spaces**, Suzanne Schlich
<https://arxiv.org/abs/2503.21859>
- **Equivalence of primitive-stable and Bowditch actions of the free group of rank two on Gromov-hyperbolic spaces**, Suzanne Schlich
<https://arxiv.org/abs/2211.14546>

Teaching

Université de Strasbourg

- 2023 **Algebra**, 2nd year, 33h, tutorials
Basis for calculation and reasoning, 1st year, 32h, lectures and tutorials
- 2022 **Elementary mathematics**, 1st year, 20h, lectures and tutorials
Basis for calculation and reasoning, 1st year, 32h, lectures and tutorials

- 2021 **Elementary mathematics**, 1st year, 20h, lectures and tutorials
Oral examination, 1st year, 1h
Basis for calculation and reasoning, 1st year, 24h, lectures and tutorials
Mathematics for Life Sciences, 1st year, 34h, tutorials
[Université de Lille](#)
- 2020 **Algebra**, 1st year, 24h, tutorials
- 2019 **Analysis for Life Sciences**, 1st year, 40h, lectures and tutorials
[Oral interrogations in preparatory schools](#)
- 2016 – 2019 **Oral examinations**, *Lycée Janson de Sailly, Paris*, MPSI, 2h per week

Talks

- December 2025 Conference "Geometric structures on manifolds", *Bologna*, Italy
- March 2025 **Séminaire Géométrie, Algèbre, Dynamique et Topologie**, *Dijon*, France
- December 2024 Conference "Arithmetic groups, hyperbolic manifolds and computation", *Bordeaux*, France
- November 2024 **Séminaire Géométrie, groupes et dynamique**, *ENS Lyon*, France
- September 2024 **Séminaire virtuel francophone "Groupes et géométrie"**, *online*
- September 2024 **Séminaire de Géométrie et Topologie**, *Toulouse*, France
- September 2024 **Meeting Milano-Grenoble-Torino**, *Milano*, Italy
- June 2024 **Séminaire Compréhensible**, *Grenoble*, France
- April 2024 **Geometry MMA Seminar: Metrics, Measures, and Algorithms**, *George Mason University*, Washington, USA
- April 2024 **Geometry Seminar**, *University of Virginia*, Charlottesville, USA
- March 2024 **Séminaire de Géométrie**, *Bordeaux*, France
- March 2024 **Geometry Seminar**, *Max Planck Institute*, Leipzig, Germany
- November 2023 **Forum des jeunes mathématicien·nes**, *Bruxelles*, Belgium
- November 2023 **Paroles aux jeunes chercheurs et chercheuses du GDR Platon**, *Grenoble*, France
- October 2023 **Séminaire Géométrie Dynamique**, *Lille*, France
- October 2023 **Séminaire Géométrie et Topologie**, *Paris*, France
- June 2023 **Geometry Day**, *Heidelberg*, Germany
- June 2023 **NCNGT Conference**, *Online*
- June 2023 **Séminaire GT3**, *Strasbourg*, France
- February 2023 **Workshop ANR GAPR "Géométrie et Analyse dans le cadre pseudo-Riemannien**, *Nice*, France
- January 2023 **Séminaire Rauzy**, *Marseille*, France
- December 2022 **Geometry and Topology seminar**, *Luxembourg*
- November 2022 **Séminaire ATG**, *Nice*, France
- July 2022 **AMS-EMS-SMF International Meeting**, *Grenoble*, France
- June 2022 **Séminaire des doctorants**, *Lille*, France
- April 2022 **Séminaire des doctorants**, *Strasbourg*, France
- August 2021 **Workshop on Anosov representations**, *Centre Paul Langevin, Aussois*, France

Attended conferences

- December 2025 **Geometric structures on manifolds**, Università di Bologna, Italy
- September 2025 **Higher dimentional hyperbolic geometry**, Ventotene, Italy
- July 2025 **Summer school on Discrete Subgroups of Lie Groups**, IHES, Paris, France
- June 2025 **Conference Low-dimensional phenomena: geometry and dynamics**, IHP, Paris, France
- June 2025 **Workshop on Dynamics and geometry in dimension 1, 2 and 3**, CIRM, Marseille, France
- May 2025 **Higher rank geometric structures, Higgs bundles and physics**, IHP, Paris, France
- April 2025 **Introductory school of the IHP programm Higher Rank Geometric Structures**, CIRM, Marseille, France
- January 2025 **Winter School**, Nice
- December 2024 **Arithmetic groups, hyperbolic manifolds and computation**, Bordeaux
- November 2024 **Paroles aux jeunes chercheurs et chercheuses du RT tétraèdre de Platon**, ENS Paris
- October 2024 **20 years of Anosov representations**, Leipzig, Germany
- September 2024 **Meeting Milano-Grenoble-Torino**, Milano, Italy
- August 2024 **Workshop Component of character varieties**, Aussois, France
- July 2024 **Moving to higher rank: from hyperbolic to Anosov**, Cetraro, Italy
- April 2024 **Submanifolds of locally symmetric spaces: geometric, analytic and dynamical aspects**, Autrans, France
- March 2024 **Workshop on dynamics and hyperbolic groups**, Max Planck Institute, Leipzig
- November 2023 **Forum des jeunes mathématicien·nes**, Bruxelles
- November 2023 **Paroles aux jeunes chercheurs et chercheuses du GDR Platon**, Grenoble
- August 2023 **Workshop on "Metrics on higher Teichmüller spaces"**, Villa Clythia, Fréjus
- February 2023 **Workshop ANR GPR "Géométrie et Analyse dans le cadre pseudo-Riemannien**, Laboratoire Jean-Alexandre Dieudonné, Nice
- August 2022 **Workshop on "Minimal surfaces in symmetric spaces and Labourie's conjecture"**, L'Escandille, Autrans
- July 2022 **AMS-EMS-SMF International Meeting 2022**, Grenoble
- January 2022 **Young Researcher's Workshop on Positivity in Lie Groups**, IWH, Heidelberg
- November 2021 **Rencontre des jeunes chercheuses et jeunes chercheurs du GDR Platon**, CIRM, Marseille
- September 2021 **Workshop on "Anosov representations"**, Centre Paul Langevin, Aussois
- June 2021 **Dynamics and Geometry Online Summer School**, Heilbronn Institute for Mathematical Research
- January 2021 **Topics at the Interface of Low Dimensional Group Actions and Geometric Structures**, Singapour (onligne)
- November 2019 **Paroles aux jeunes chercheur·es en Géométrie et Dynamique**, Institut Élie Cartan, Nancy
- October 2019 **Forum des Jeunes Mathématicien-ne-s, Géométrie et interactions**, IHP, Paris, France
- July 2019 **Summer School Aspects of Geometric Group Theory**, IHES, Paris, France

Outreach, organization and administrative activities

- May 2025 **Jury TFJM²**, Lyon, France
- 2024 **(Co)-organizer of a Young Researcher Workshop**, Aussois, France, August 26th-31th, 2024, Title "Components of character varieties"
<https://sites.google.com/view/componentsinaussois/home>
- April 2023 **Intervenante RJMI**, IRMA, Strasbourg
Speed-Meeting workshop
- 2017 – 2018 **Elected to the board of the ENS Paris-Saclay**
Student representative of the school
- 2015 – 2017 **Elected to the Student Life Commission of the ENS Paris-Saclay**
Student representative of the Department of Mathematics

Other skills

- Languages **French (mother tongue), English (fluent), German & Italian (notions)**
- Programming **Python, Matlab, L^AT_EX, Scilab, Caml, Maple**
- Music **DEM (Diploma in Music Studies) in musical writing, CRR Paris, 2019**
DEM (Diploma in Music Studies) in musical analysis, CRR Paris, 2017
CFEM (Certificate of Musical Studies) in accordion, CRR Dijon, 2011