Curriculum Vitae

Personal Data

Name	Paul Schwahn
Date of birth	14. Feb. 1999
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Present position	Postdoctoral researcher at IMECC, Unicamp

Education

2014–2017	B.Sc. studies at the University of Stuttgart
Oct 2017	Graduation with a B.Sc. in Mathematics at the University of Stuttgart. Bachelor's thesis: *Scattering theory for automorphic functions* Award of the *Robert Bosch GmbH* for excellent B.Sc. degree
2017–2020	M.Sc. studies at the JLU Gießen and the University of Stuttgart
Apr 2020	Graduation with a M.Sc. in Mathematics at the University of Stuttgart. Master's thesis: *Einstein deformations on homogeneous spaces*
Jan 2021	Award of the *Freunde der Mathematik an der Universität Stuttgart* (Friends of mathematics at the University of Stuttgart) for best M.Sc. degree
Jul 2021	Award of the *Freunde der Universität Stuttgart* (Friends of the University of Stuttgart) for extraordinary scientific accomplishments
2020–2023	Doctoral studies in Mathematics under the supervision of Prof. Uwe Semmelmann
Jul 2023	Graduation *summa cum laude* with a Dr.rer.nat. at the University of Stuttgart. Doctoral thesis: *Stability of Einstein metrics on homogeneous spaces*

Work experience

2016–2020	Student assistant/tutor for various mathematics courses at the University of Stuttgart
2020–2023	Research associate/teaching assistant at the Institute of Geometry and Topology, University of Stuttgart

	Assistance for the courses *Geometry for teachers*, *Higher mathematics 2/3* for engineering students, *Analysis 2/3*
2022	Member of *SPP 2026 Geometry at Infinity*
2023–2024	Postdoctoral researcher at *Laboratoire de mathématiques d'Orsay*, Université Paris-Saclay
as of 2024	Postdoctoral researcher at IMECC, Unicamp

Schools, seminars, stays

Sep 2016	*Ferienakademie* (summer school) of FAU Erlangen-Nürnberg, TU Munich and University of Stuttgart
Oct 2020	Working seminar at Philipps-Universität Marburg, Department of Mathematics
Jul 2021	Summer school course *Riemannian foliations and Lie group actions*, Scuola Matematica Interuniversitaria, Cortona
May 2022	Research stay at CUNY with Renato Bettiol
Sep 2022	Block seminar *Construction and degeneration of Einstein 4-manifolds*, University of Regensburg
Nov 2022	Oberwolfach Graduate Seminar *Geometry and Topology of Compact Homogeneous Spaces*
Jun 2024	Summer school of the *BRIDGES meeting 2024*, Institut d'Études Scientifiques de Cargése

Seminar talks

Sep 2021	Differential Geometry Seminar, Universidad Nacional de Córdoba
Nov 2021	*Geometry & Topology Seminar*, University of Stuttgart
May 2022	*CUNY Geometric Analysis Seminar*
May 2022	*Geometry Seminar*, University of Florence
Jul 2022	*London Geometry & Topology Seminar*
May 2023	*Riemannian Topology Seminar*, University of Stuttgart
May 2023	Online talk at the *Virtual Seminar on Geometry with Symmetries*
Jul 2023	Working group seminar of the differential geometry group, University of Regensburg
Oct 2023	*Séminaire Géométrie Topologie Dynamique*, Université Paris-Saclay
Dec 2023	Research Seminar *Differential Geometry and Analysis* of Philipps-Universität Marburg
Mar 2024	Geometry seminar of Université Claude-Bernard Lyon

Apr 2024	*ULB geometry seminar*, Université Libre de Bruxelles
Jul 2024	*Geometry & Topology Seminar*, University of Stuttgart
Jul 2024	*Seminar Geometry*, KU Leuven
Oct 2024	*Seminário SP de Geometria*, São Carlos
Nov 2024	Geometry seminar of IMECC, Unicamp

Conference posters

Jul 2021	Poster and online talk at *Mathematical Congress of the Americas*
Mar 2024	Poster at the conference *Special Holonomy and Geometric Structures on Complex Manifolds*, IMPA

Conference talks

Aug 2022	*Spaces, Structures, Symmetries*, Università degli Studi di Bari Aldo Moro
Jun 2023	BRIDGES workshop *Special geometries and gauge theories*, University of Pau
Jul 2023	*Einstein Spaces and Special Geometry*, Institut Mittag-Leffler
Jul 2024	BRIDGES meeting in *Gauge Theory, extremal structures and stability*, Institut d'Études Scientifiques de Cargèse
Jul 2024	Junior Meeting *Einstein Geometry and Special Holonomy*, CAU Kiel

Organization of events

Sep 2023	*Sesquinar*, a student seminar about tensors, University of Stuttgart
Oct 2023	International conference *The Crazy World of Arthur L. Besse: a workshop on Einstein manifolds*, University of Stuttgart
Sep 2024	*Semi-L∃∀N-ear*, a student seminar about formalization of mathematics, University of Stuttgart.

Miscellaneous

2015–2020	Commitment in the Faculty Student Group in Stuttgart
2022–2023	Elected representative of doctoral students in the Faculty Council (Mathematics and Physics), Chairman of Faculty Student Council and member of the Student Parliament in Stuttgart

Skills and interests

Languages	English (fluent), French (basic), German (native), Portuguese (very basic)
Programming	C++, LiE, Matlab, Python, SageMath
Hobbies/Interests	Climbing, Piano, Pen&Paper RPGs, Game development, Formalization of mathematics/proof assistants

Campinas, October 2, 2024