

Niklas Arppe

✉ niklasarppe@uni-bonn.de
🌐 www.niklasarppe.com
in [niklasarppe](#)

Research interests

Geometric and categorical aspects of the Langlands program, (integral) p -adic Hodge theory, motivic homotopy theory, algebraic K -theory

Education

2025–2027 **MSc Mathematics**, *University of Bonn*
Grade: 1.1 (Best possible grade: 1.0)

2023–2025 **BSc Mathematics**, *University of Helsinki*
Grade: 5.0 (Best possible grade: 5.0)

Talks

Selected seminar talks

- 01/2027 **Kan seminar**, *University of Bonn*
- 07/2026 **Simplicial homotopy theory seminar**, *University of Bonn*
- 07/2026 **Geometric invariant theory seminar**, *University of Bonn*
- 07/2026 **Algebraic K -theory seminar**, *University of Bonn*
- 06/2026 **Prismatic F -gauges seminar**, *University of Bonn*
- 02/2026 **Higher category theory seminar**, *University of Bonn*
- 01/2026 **Absolute prismatic cohomology seminar**, *University of Bonn*
- 10/2025 **Absolute prismatic cohomology seminar**, *University of Bonn*
- 07/2025 **Derived algebraic geometry seminar**, *Aalto University*

Selected awards

- 06/2022 **Technology Industries of Finland Centennial Foundation's stipend**
- 06/2022 **The Håkan Simberg Foundation's stipend**

Conference and workshop attendance

- 10/2026 **Workshop on Beilinson–Drinfeld Quantization**, *Technical University Darmstadt*
- 10/2026 **Kleine AG: The isomorphism between the Drinfeld and Lubin–Tate spaces at infinite level**, *University of Münster*
- 09/2026 **School on Exponential Motives**, *University of Duisburg–Essen*
- 09/2026 **Non-archimedean methods in arithmetic and tropical geometry**, *Goethe University Frankfurt*
- 09/2026 **New Perspectives on Stable Homotopy and Beyond**, *Max Planck Institute for Mathematics*

- 06/2026 **37th NRW Topology Meeting**, *University of Münster*
- 04/2026 **Kleine AG: Rapoport–Zink spaces and p -adic uniformization**, *University of Münster*
- 04/2026 **Kleine AT: Topological cyclic homology**, *University of Wuppertal*
- 03/2026 **Recent Advances in Motivic Cohomology**, *University of Osnabrück*
- 10/2025 **Kleine AT: Evenness via Spectral Sequences**, *Max Planck Institute for Mathematics*

--- Teaching

Courses

- 2026–2027 **University of Bonn**
Teaching assistant for *Algebraic Geometry I*
- 2025 **University of Helsinki**
Teaching assistant for *Topology IB*
- 2025 **University of Helsinki**
Teaching assistant for *Topology IA*
- 2025 **University of Helsinki**
Teaching assistant for *Linear algebra II*
- 2024 **University of Helsinki**
Teaching assistant for *Limits*

Other

- 2023–2025 **Uplus yksityisopetus, Helsinki**
Private mathematics teacher

--- Organizing

Seminars

- 2026–2027 **University of Bonn**
Learning seminar on moduli spaces of mixed-characteristic local shtukas (joint with Erick Miguel Díaz López)
- 2026–2027 **University of Bonn**
Learning seminar on topological cyclic homology (joint with Lewis Ngo)
- 2026 **University of Bonn**
Learning seminar on algebraic K-theory

--- Service

- 2023 **Integralsdagarna, Helsinki**
Workshop on developing the high school mathematics curriculum in Finland