

Prof. Dr. Alexander B. Ivanov - Curriculum vitae

Fakultät für Mathematik Ruhr-Universität Bochum Universitätsstraße 150 44780 Bochum, Germany	E-Mail: a.ivanov@rub.de Homepage: https://math.ruhr-uni-bochum.de/fakultaet/arbeitsbereiche/algebra/gruppe-ivanov/team/prof-dr-alexander-ivanov/
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Research interests

Arithmetic geometry, representation theory (of p -adic groups), number theory, especially local Langlands program

Academic positions

since 04/2023	Heisenberg-Professor (W2 permanent), Bochum
02/2022 – 09/2022	Heisenberg position, Bonn
09/2017 – 01/2022	Postdoc (group of Peter Scholze), Bonn
09/2016 – 08/2017	Postdoc (group of Laurent Fargues), Jussieu, Paris
04/2013 – 08/2016	Postdoc (group of Eva Viehmann), TU Munich
02/2013 – 04/2013	Postdoc, Trimester-Program “Arithmetic and Geometry”, HCM Bonn
<i>Interim professorships:</i> <i>(Vertretungsprofessuren)</i>	W1, University Frankfurt, 10/2018 – 03/2019 W2, University Hannover, 10/2022 – 03/2023
<i>Parental leaves:</i>	in total 11 months (04/2019 – 09/2019, 05/2021 – 11/2021)

Education

02/2021	Habilitation in Mathematics, Bonn
10/2009 – 02/2013	PhD in Mathematics, Heidelberg (Grade: magna cum laude) Advisor: PD Dr. Jakob Stix
10/2005 – 08/2009	Diplom in Mathematics, Bonn (Grade: 1,0) Advisors: Prof. Dr. M. Rapoport and PD Dr. U. Görtz

Third-party funding (after PhD)

- Research project (DFG-Sachbeihilfe) for a PhD-position, accepted 09/2023, started 04/2024
Project title: *Modular cohomology of p -adic Deligne–Lusztig spaces*
- Heisenberg Program of the German Research foundation (DFG), accepted 03/2021, started 02/2022
Project title: *p -adic Deligne–Lusztig theory*
- Research grant (DFG), postdoctoral research stay in Paris (09/2016 – 08/2017)
Project title: *Affine Deligne–Lusztig theory*

Invited talks

At international conferences and workshops:

- Nisyros (Jul. 2023)
- Bonn (Aug. 2022)
- Harbin (Jul. 2019)
- Oberwolfach (Jan. 2019)
- Kyoto (Sep. 2018)
- Oberwolfach (Jun. 2018)
- Tianjin (Jul. 2016)
- Oberwolfach (Aug. 2015)
- Moscow (Dec. 2014)

Colloquium talks:

- Darmstadt (Dec. 2023)
- Bochum (Dec. 2021)

Invited seminar talks:

Univ. of Michigan (Sep. 2024), Boston Univ. (Sep. 2024), Univ. of Pennsylvania (Sep. 2024), Marseille (Sep. 2024), Utrecht (Apr. 2024), Düsseldorf (Oct. 2023), Munich (Nov. 2022), Münster (May 2022), Hong Kong (Oct. 2021), RAMpAGe Online Seminar (Jan. 2021), Paris VI-VII (Nov. 2019), Paris XIII (Nov. 2019), Besançon (Mar. 2019), Bielefeld (Jan. 2019), DMV-Meeting Paderborn (Mar. 2018), Bayreuth (Feb. 2017), Heidelberg (Jan. 2017), Bordeaux (Nov. 2016), Paris VI-VII (Oct. 2016), Mainz (Apr. 2016), Wuppertal (Jun. 2015), Bonn (May 2015), Frankfurt (Nov. 2014), Univ. of Pennsylvania (Mar. 2014), Utrecht (Jan. 2014), Regensburg (Jun. 2013), Bonn (Mar. 2013), Paderborn (Nov. 2009).

Other professional activities

- Submission of a proposal for an Oberwolfach workshop in 2026 (decision outstanding). Proposal submitted in 2024 jointly with J. Fintzen, O. Dudas and A. Eteve. Proposed title “*Representations of finite and p -adic groups*”
- Organization of several meetings of the “Kleine AG”: “Fun with \mathbb{F}_1 ” (Oct. 2015, with N. Rungtanapirom), “Anabelian geometry: Neukirch–Uchida and Tamagawa” (Jun. 2015, with O. Thomas), “mod p local Langlands correspondence over \mathbb{Q}_p ” (Mar. 2014, with R. Wilms), “Dessins d’enfants” (Nov. 2013, with A. Mihatsch), “Étale homotopy theory” (Jun. 2013, with K. Hübner), Honda–Tate theory (Feb. 2012, with T. Keller), Around the Mumford–Tate conjecture (Oct. 2011, with P. Jossen), Deligne–Mumford compactification (Feb. 2011, with T. Keller)
- Reviewer for MathSciNet (since September 2013)
- Reviewing for peer-reviewed journals: Annals of Mathematics, Inventiones Mathematicae, Duke Mathematical Journal, Compositio Mathematica, Mathematische Annalen, Journal für die reine und angewandte Mathematik (Crelle), Advances in Mathematics, Selecta Mathematica, Mathematische Zeitschrift, Manuscripta Mathematica, Canadian Journal of Mathematics, Mathematische Nachrichten, Journal of Mathematical Sciences The University of Tokyo, Nagoya Mathemacial Journal, Research in Number theory, Journal of Algebra.

Personal

Born: October 2, 1986 in Leningrad, Soviet Union
Family status: married, two children (*September 2018, *May 2021)
Language skills: Russian (native), German (native like), English (proficient), French (intermediate)

Bochum, October 14, 2024