

Curriculum Vitae

Zhenghui Li

PERSONAL INFORMATION

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Nationality Chinese

EDUCATION

10/2022-Now **Ph.D in Mathematics**
Sorbonne Université
Thesis director: Prof. Wiesława Nizioł.

10/2020-06/2022 **Master in Mathematics** ALGANT Master Program
Université de Bordeaux, France (2021-2022)
Universität Regensburg, Germany (2020- 2021)

09/2016-06/2020 **Bachelor in Science**
Nanjing University, China

ARTICLES

- 1 On p -torsions of geometric Brauer groups (with Yanshuai Qin), preprint 2024.
- 2 Duality for arithmetic p -adic pro-étale cohomology of analytic spaces. preprint 2025.
- 3 F-isocrystals of Higher Direct Images of p -Divisible Groups (with Yanshuai Qin), preprint 2025.

INVITED TALKS

- 2024 Séminar Mathjuene: Poincare duality for p -adic étale cohomology of rigid analytic varieties.
Nanjing University: Poincare duality for p -adic étale cohomology of Stein spaces and p -adic Langlands program.
- 2025 IMJ-PRG number theory seminar: Duality for arithmetic p -adic pro-étale cohomology of analytic spaces.
Workshop on arithmetic $K3$ surfaces: Boundedness of the p -primary torsions of geometric Brauer groups.
Bucharest Number Theory days: Duality for arithmetic p -adic pro-étale cohomology of analytic spaces.

SEMINAR REPORTS

2023	IMJ-PRG preprint seminar: \mathbb{Z}_p -lattices in semistable Galois representations. (après Zijian Yao)
2024	Séminaire d'étude de la thèse d'Arnaud: The cuspidal case.
2025	IMJ-PRG preprint seminar: Berthelot's conjecture via homotopy theory. (après Veronika Ertl and Alberto Vezzani)

ATTENDED CONFERENCES

05/2025	Workshop on condensed maths and Arakelov geometry. (Strasbourg)
05/2025	Workshop on arithmetic $K3$ surfaces. (Lausanne)
03/2025	Annual Meeting: Simons Collaboration on Perfection in Algebra, Geometry and Topology. (NewYork)
12/2024	Workshop on analytic de Rham stacks. (Warsaw)
11/2024	Workshop on p -adic geometry. (Singapoo)
09/2024	Summer school on Shimura variety and Hodge theory. (Essen)
07/2024	Conference on K -theory and arithmetic. (Bedlewo)
06/2024	Workshop on p -adic Riemann-Hilbert correspondence. (Padova)
01/2024	Conference on p -adic Geometry. (Shenzhen)
10/2023	Conference for Rapaport's birthday. (Munster)
08/2023	Workshop on THH and prismatic cohomology. (Shenzhen)
08/2023	Conference on algebraic and arithmetic geometry. (Nanjing)
07/2023	Workshop on Vanishing of étale cohomology of Shimura varieties. (Bonn)
05/2023	Summer school on arithmetic Langlands and p -adic geometry. (Bonn)
03/2023	Workshop on condensed maths. (Marseille)