

Linli Shi

Postdoctoral researcher

ETH Zürich

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Employment

- **ETH Zürich and FernUni Schweiz** Zürich, Switzerland
Postdoctoral researcher 09/2025 - current
– Supervisor : Prof. David Loeffler (ERC Consolidator Grant), Prof. Sarah Zerbes

Education

- **University of Connecticut** Storrs, USA
Ph.D. Mathematics 08/2018 - 05/2025
– Supervisor: Liang Xiao
- **Capital Normal University** Beijing, P.R.China
M.S. Mathematics 09/2015 - 06/2018
- **University of Electronic Science and Technology of China** Chengdu, P.R.China
B.S. Electronic and Information Science and Technology 09/2010 - 06/2014

Visiting Positions

- **Morningside Center of Mathematics, Chinese Academy of Sciences** Beijing, P.R.China
Visiting Student 05/2023 - 07/2024
- **Beijing International Center For Mathematical Research, Peking University** Beijing, P.R.China
Visiting Student 09/2020 - 07/2021

Research Interests

Number Theory, Automorphic Forms and Arithmetic Geometry. More specifically, I work on the following topics and their interactions:

- **Beilinson's Conjectures,**
- **Euler Systems,**
- **Kudla Program,**
- **Relative Langlands Program.**

Papers

- On higher regulators of Picard modular surfaces, arXiv:2510.08708. Submitted.

Honors and Awards

Summer Doctoral Dissertation Fellowship, University of Connecticut 2023
Predoctoral Fellowship, University of Connecticut 2023

Teaching

- Mathematics for Business and Economics (Online), Teaching Assistant, University of Connecticut, Spring 2025
- Mathematics for Business and Economics (Online), Teaching Assistant, University of Connecticut, Fall 2024
- Teaching assistant for algebraic geometry, algebraic number theory and representation theory, Summer school of algebra and number theory, Chinese Academy of Sciences, Summer 2023
- Mathematics for Business and Economics (Online), Teaching Assistant, University of Connecticut, Spring 2023
- Mathematics for Business and Economics (Online), Teaching Assistant, University of Connecticut, Fall 2022
- Multivariable Calculus, Teaching Assistant, University of Connecticut, Spring 2022
- Multivariable Calculus, Teaching Assistant, University of Connecticut, Fall 2021
- Multivariable Calculus, Teaching Assistant, University of Connecticut, Spring 2020
- Calculus II (Online), Teaching Assistant, University of Connecticut, Fall 2019

Mentoring

- Master's thesis of An Khanh Dao, ETH Zürich (co-supervised with Prof. Sarah Zerbes), Fall 2025.

Invited Seminar and Conference Talks

- On higher regulators of Picard modular surfaces, Talk at Graduate Research Forum, University of Connecticut, January 25, 2025.
- Regularized periods of some Eisenstein series, Purdue University, Automorphic Forms and Representation Theory Seminar, January 16, 2025.

- On higher regulators of Picard modular surfaces - Talk at special session on “L-functions, Automorphic Forms, and Their Applications”, Joint Mathematics Meetings 2025 (Seattle, WA), January 8-11, 2025.
- On higher regulators of Picard modular surfaces, UniDistance Suisse, Number Theory Seminar (Online), December 10, 2024
- On higher regulators of Picard modular surfaces, University of Florida, Algebra Seminar, December 3, 2024
- On higher regulators of Picard modular surfaces, UC San Diego, Number Theory Seminar, November 20, 2024
- On higher regulators of Picard modular surfaces, Boston University, Number Theory Seminar, November 18, 2024
- On higher regulators of Picard modular surfaces, Louisiana State University, Algebra and Number Theory Seminar (Online), November 5, 2024
- On higher regulators of Picard modular surfaces, University of Arizona, Algebra and Number Theory Seminar, October 15, 2024
- Regularized periods of some Eisenstein series, University of Connecticut, Algebra Seminar, September 18, 2024
- On higher regulators of Picard modular surfaces, University of Connecticut, Algebra Seminar, September 4, 2024

Conferences and Workshops (Selected)

- Swiss Number Theory Days 2025, Zürich, December 5-6, 2025
- Arithmetica Transalpina, Brig, October 17, 2025
- Motives, L-values and Eisenstein series, Regensburg, September 22 - 26, 2025
- Joint Mathematics Meetings 2025, Seattle, January 8-11, 2025.
- “Arthur packets” workshop, Institute for Advanced Study in Mathematics (IASM), Hangzhou, November 5 to November 10, 2023
- 24th Autumn Workshop on Number Theory, Hokkaido University, Sapporo, October 30-November 3, 2023
- Arithmetic Algebraic Geometry, in honor of Shouwu Zhang’s 60th birthday, Chinese University of Hong Kong, Hong Kong, June 5-8, 2023
- Conference on “Motives and Automorphic Forms” in Honour of Günter Harder’s 85th Birthday, Max Planck Institute for Mathematics, Bonn, March 6-10, 2023
- Summer School on the Langlands Program (Virtual Participant), IHES, Paris, July 11-29, 2022
- Padova school on Serre conjectures and the p-adic Langlands program, Padova, University of Padova, May 27-June 14, 2019
- On the Langlands Program: Endoscopy and Beyond, Singapore, Institute for Mathematical Sciences, National University of Singapore, 17 December 2018-18 January 2019

- Intercity Seminar on Arakelov Theory 2017 & New Progress on Arithmetic Geometry, Beijing, Capital Normal University, September 4-8, 2017

Languages

Chinese (native), English (sufficient for math and daily life), French (technical reading).