# Linli Shi

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## Education

- **University of Connecticut** — Storrs, USA
  *Ph.D. Mathematics* — *08/2018 - 05/2025(Expected)*
  - Advisor: 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**,
- **Kudla Program**,
- **Relative Langlands Program**.

## Papers

- **On higher regulators of Picard modular surfaces**, in preparation.
- **Regularized periods of discrete Eisenstein series for** $\mathrm{GL}_{\mathbf{2n}}/\mathrm{GL}_{\mathbf{n}} \times \mathrm{GL}_{\mathbf{n}}$, in preparation.

## 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, 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

## Invited Seminar and Conference Talks

- (Upcoming) Regularized periods of some Eisenstein series, Purdue University, Automorphic Forms and Representation Theory Seminar, January 16, 2025.
- (Upcoming) 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.
- (Upcoming) On higher regulators of Picard modular surfaces, Prof. David Loeffler's Seminar (Online), December 10, 2024
- (Upcoming) On higher regulators of Picard modular surfaces, University of Florida, Algebra Seminar, December 3, 2024
- (Upcoming) On higher regulators of Picard modular surfaces, UC San Diego, Number Theory Seminar, November 20, 2024
- (Upcoming) On higher regulators of Picard modular surfaces, Boston University, Number Theory Seminar, November 18, 2024
- (Upcoming) 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)

- (Upcoming) 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
- Summer School in Geometric Representation Theory, MIT, Cambridge, MA, USA, June 13-17, 2022
- Arizona Winter School 2022(Virtual Participant), Tucson, AZ, USA, March 5-9, 2022
- Summer School on Theta correspondence, Suzhou, Soochow University, July 5th-July 11th, 2021
- Padova school on Serre conjectures and the p-adic Langlands program, Padova, University of Padova, May 27-June 14, 2019
- Special Session on Algebraic Number Theory, AMS Spring Eastern Sectional Meeting, University of Connecticut Hartford, April 14, 2019
- Special Session on Special Values of L-functions and Arithmetic Invariants in Families, AMS Spring Eastern Sectional Meeting, University of Connecticut Hartford, April 13, 2019
- On the Langlands Program: Endoscopy and Beyond, Singapore, Institute for Mathematical Sciences, National University of Singapore, 17 December 2018-18 January 2019
- Summer School on Beilinson-Bloch-Kato conjecture on Rankin-Selberg motives and Gan-Gross-Prasad cycles, Beijing, Morningside Center of Mathematics, Chinese Academy of Sciences, July 9-20, 2018
- Summer School on Representation Theory and the GGP Conjecture, Beijing, Beijing International Center for Mathematical research, June 26 - June 30, 3018
- Intercity Seminar on Arakelov Theory 2017 & New Progress on Arithmetic Geometry, Beijing, Capital Normal University, September 4-8, 2017

## Services

- Organizer of a student online learning seminar on "Stacks and Moduli space" (5 participants), Spring 2020
- Organizer of a student learning seminar on "Class Field Theory" (4 participants), Fall 2019

## Languages

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

## References


- **Prof. Michael Biro**
  Department of Mathematics
  University of Connecticut
  michael.biro@uconn.edu
  (Teaching)

- **Prof. Francesco Lemma**
  Institut de Mathématiques de Jussieu
  Université Paris Cité – IMJ-PRG
  francesco.lemma@imj-prg.fr

- **Prof. Liang Xiao**
  School of Mathematical Sciences and Beijing International Center for Mathematical Research
  Peking University
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- **Prof. Hang Xue**
  Department of Mathematics
  The University of Arizona
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