

Linli Shi

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Education

- **University of Connecticut** Storrs, USA
Ph.D. Mathematics 08/2018 - Current
– Advisor: Keith Conrad and Liang Xiao
- **Capital Normal University** Beijing, P.R.China
M.S. Mathematics 09/2015 - 06/2018
– Advisor: Shun Tang
- **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 Position

- **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.

Papers

- On higher regulators of Picard modular surfaces, in preparation.
- Regularized periods of discrete Eisenstein series for $GL_{2n}/GL_n \times GL_n$, in preparation.

Invited Conference Talks Given and Upcoming

- **Joint Mathematics Meetings 2025 (Seattle, WA)**
On higher regulators of Picard modular surfaces - Talk at special session on “L-functions, Automorphic Forms, and Their Applications”. January 8-11, 2025

Invited Seminar Talks Given and Upcoming

- On higher regulators of Picard modular surfaces, University of Connecticut, Algebra Seminar, September 4, Fall 2024
- Regularized periods of some Eisenstein series, University of Connecticut, Algebra Seminar, September 18, Fall 2024
- On higher regulators of Picard modular surfaces, University of Arizona, Algebra and Number Theory Seminar, October 15, Fall 2024
- On higher regulators of Picard modular surfaces, Boston University, Number Theory Seminar, November 18, Fall 2024
- On higher regulators of Picard modular surfaces, University of Florida, Algebra Seminar, December 3, Fall 2024

Honors and Awards

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

Teaching

- Mathematics for Business and Economics, 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, Teaching Assistant, University of Connecticut, Spring 2023
- Mathematics for Business and Economics, Teaching Assistant, University of Connecticut, Fall 2022
- Multivariable Calculus, Discussion instructor, University of Connecticut, Spring 2022
- Multivariable Calculus, Discussion instructor, University of Connecticut, Fall 2021
- Multivariable Calculus, Discussion instructor, University of Connecticut, Spring 2020
- Calculus II(Online), Teaching Assistant, University of Connecticut, Fall 2019

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

Reading Seminar Talks

- Minicourse on integral representation of tensor product L-function for general linear group(4 lectures), Peking University, Spring 2021
- Seminar on representation of real reductive group, 2 lectures on subquotient theorem and submodule theorem, Peking University, Fall 2020
- Seminar on p-adic modular form, 2 lectures on Katz p-adic modular form, Peking University, Fall 2020
- Seminar on Automorphic Representation (Online), 3 lectures on Rankin-Selberg method, Gan-Gross-Prasad conjecture and Relative Trace Formula Approach, Peking University, Spring 2020
- Seminar on Class Field Theory, several lectures on Lubin-Tate theory and cohomological proof of Local and Global Class Field Theory, University of Connecticut, Fall 2019
- Seminar on Complex Multiplication, 1 lecture on CM theory of Complex Elliptic Curve, University of Connecticut, Fall 2019
- Course presentation of Introduction to representation theory and abstract harmonic analysis: Introduction to Theta correspondence, University of Connecticut, Spring 2019
- Seminar on Fermat's Last theorem, 1 lecture on the modularity theorem before Wiles and Taylor-Wiles, University of Connecticut, Spring 2019
- Seminar on Motivic Conjecture, 4 lectures on automorphic L-function of $GL_n \times GL_m$. University of Connecticut, Spring 2019
- Seminar on Trace Formula, Series lectures on first 6 sections of Whitehouse's Lecture Notes. University of Connecticut, Fall 2018
- Seminar on Tate's Thesis, Series lectures on local and global theory of Tate's Thesis, Capital Normal University, Spring 2017
- Seminar on Arithmetic Geometry, 1 lecture on Introduction to Shimura Variety, Capital Normal University, Fall 2017

Conferences and Workshops Attended (Selected)

- 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 Dec 2018-18 Jan 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, 2018
- Intercity Seminar on Arakelov Theory 2017 & New Progress on Arithmetic Geometry, Beijing, Capital Normal University, Sep 04-08, 2017

Languages

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