

CONTACT INFORMATION	School of Mathematical Sciences Xiamen University No. 422, Siming South Road Xiamen, Fujian, China 361005	Email: yishaoyun926@xmu.edu.cn yishaoyun926@gmail.com Webpage: https://yishaoyun.github.io/syi/ https://math.xmu.edu.cn/info/1083/17409.htm
EMPLOYMENT	Xiamen University , Xiamen, Fujian, China Assistant Professor	Sept. 2022 - present
	University of South Carolina , Columbia, SC, USA Instructor	Aug. 2019 - July 2022
EDUCATION	University of Oklahoma , Norman, OK, USA Ph.D., Mathematics. Advisor: Ralf Schmidt . M.A., Mathematics.	May 2014 - May 2019 Aug. 2012 - May 2014
	University of Science and Technology of China , Hefei, Anhui, China B.S., Mathematics.	Sept. 2008 - July 2012
RESEARCH INTERESTS	Number Theory & Representation Theory	
RESEARCH PROFILES	arXiv , MathSciNet , ORCID , Google Scholar , ResearchGate , Semantic Scholar	
PUBLICATIONS & PREPRINTS	<p>1. The prime number theorem over integers of power-free polynomial values (with Biao Wang). <i>Submitted</i>, 2025. [arXiv].</p> <p>2. Number of abelian groups and the prime number theorem (with Biao Wang). <i>Submitted</i>, 2025.</p> <p>3. Some ergodic theorems over squarefree numbers and squarefull numbers (with Huixi Li, Biao Wang and Chunlin Wang). <i>Online in Acta Arithmetica</i>, 2025. [arXiv, DOI].</p> <p>4. On Erdős covering systems in global function fields (with Huixi Li, Biao Wang and Chunlin Wang). <i>Journal of Number Theory</i> 266 (2025), 269-280. [arXiv, DOI].</p> <p>5. Some remarks on strong multiplicity one for paramodular forms (with Xiyuan Wang, Zhining Wei and Pan Yan). <i>Submitted</i>, 2023. [arXiv].</p> <p>6. On Covering Systems of Polynomial Rings over Finite Fields (with Huixi Li, Biao Wang and Chunlin Wang). <i>Proceedings of the American Mathematical Society</i> 152 (2024), no. 9, 3731-3742. [arXiv, DOI].</p> <p>7. On the minimum modulus problem in number fields (with Huixi Li and Biao Wang). <i>Submitted</i>, 2023. [arXiv].</p> <p>8. On distinguishing Siegel cusp forms of degree two (with Zhining Wei). <i>Submitted</i>, 2022. [arXiv].</p>	

9. **Dimension formulas for Siegel modular forms of level 4**
 (with Manami Roy and Ralf Schmidt, and with an appendix by Cris Poor and David Yuen).
Mathematika 69 (2023), no. 3, 795-840. [[arXiv](#), [DOI](#)].
10. **Generalizations of the Erdős-Kac Theorem and the Prime Number Theorem**
 (with Biao Wang, Zhining Wei and Pan Yan).
Communications in Mathematics and Statistics 13 (2025), 1177-1197. [[arXiv](#), [DOI](#)].
11. **Classical and adelic Eisenstein series**
 (with Manami Roy and Ralf Schmidt).
To appear in Rocky Mountain Journal of Mathematics, 2024. [[arXiv](#)].
12. **Generalizations of Alladi's formula for arithmetical semigroups**
 (with Lian Duan and Ning Ma).
The Ramanujan Journal 58 (2022), no. 4, 1285-1319. [[arXiv](#), [DOI](#)].
13. **Congruences for dimensions of spaces of Siegel cusp forms and 4-core partitions**
 (with Chiranjit Ray and Manami Roy).
The Ramanujan Journal 58 (2022), no. 4, 1011-1023. [[SharedIt link](#), [arXiv](#), [DOI](#)].
14. **Analogues of Alladi's formula over global function fields**
 (with Lian Duan and Biao Wang).
Finite Fields and Their Applications 74 (2021), 101874, 26 pp. [[arXiv](#), [DOI](#)].
15. **On counting cuspidal automorphic representations for $\mathrm{GSp}(4)$**
 (with Manami Roy and Ralf Schmidt).
Forum Mathematicum 33 (2021), no. 3, 821-843. [[arXiv](#), [DOI](#)].
16. **Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$.**
The Ramanujan Journal 54 (2021), no. 3, 511-554. [[SharedIt link](#), [DOI](#)].
17. **Klingen vectors of level 2 for $\mathrm{GSp}(4)$.**
Ph.D. Thesis, University of Oklahoma, 2019. [[PDF](#)].

TEACHING
EXPERIENCE

Assistant Professor, School of Mathematical Sciences, Xiamen University

Instructor of Record

Advanced Algebra I	Fall 2025
Elementary Number Theory	Fall 2025
No Teaching	Spring 2025
Advanced Algebra I	Fall 2024
Elementary Number Theory	Fall 2024
Function Theory of One Complex Variable	Spring 2024
Advanced Algebra I	Fall 2023
Elementary Number Theory	Fall 2023
Advanced Algebra II (Discussion Session Leader)	Spring 2023
No Teaching	Fall 2022

Instructor, Department of Mathematics, University of South Carolina

Instructor of Record

Math 142 Calculus II	Spring 2022
Math 546/701I Algebraic Structures I	Spring 2022
Math 122 Calculus for Business Administration and Social Sciences (hybrid)	Fall 2021

Math 141 Calculus I (hybrid)	Fall 2021
Math 241 Vector Calculus (hybrid)	Fall 2021
Math 546/701I Algebraic Structures I (online)	Summer 2021
Math 122 Calculus for Business Administration and Social Sciences (online)	Spring 2021
Math 141 Calculus I (online)	Spring 2021
Math 122 Calculus for Business Administration and Social Sciences (online)	Fall 2020
Math 546/701I Algebraic Structures I (online)	Summer 2020
Math 142 Calculus II	Spring 2020
Math 242 Elementary Differential Equations	Spring 2020
Math 122 Calculus for Business Administration and Social Sciences	Fall 2019

Graduate Teaching Assistant, Department of Mathematics, University of Oklahoma

Instructor of Record

Math 1743 Calculus I for Business, Life, and Social Sciences	Spring 2019
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Discussion Session Leader

Math 2924 Differential and Integral Calculus II	Fall 2018
Math 2924 Differential and Integral Calculus II	Spring 2018
Math 2423 Differential and Integral Calculus II	Fall 2017

Tutor

Pre-Calculus; Trigonometry; College Algebra; Business Calculus; Advanced Calculus	Fall 2013 - Spring 2019
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Grader

Calculus; Ordinary differential equations; Linear algebra; Abstract algebra PYTHON; Analysis; Partial differential equations; Discrete mathematics (Capstone)	Fall 2012 - Spring 2017
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SUMMER &
WINTER
SCHOOLS

Arizona Winter School 2018: Iwasawa Theory	
University of Arizona, Tucson, AZ, USA	Mar. 3 - 7, 2018
MSRI Summer School: Automorphic Forms and the Langlands Program	
Mathematical Sciences Research Institute (MSRI), Berkeley, CA, USA	July 24 - Aug. 4, 2017

INVITED TALKS	<i>On classical and adelic Siegel Eisenstein series of degree 2</i> [English], International Conference on Modular Forms and Their Applications, Wuhan University, Wuhan, Hubei, China	July 11, 2025
	<i>On classical and adelic Eisenstein series,</i> Sichuan University, Chengdu, Sichuan, China	June 20, 2025
	<i>Generalizations of the prime number theorem and applications,</i> Mini Workshop on Number Theory, Chengdu University of Technology, Chengdu, Sichuan, China	June 20, 2025
	<i>Dynamical generalizations of the prime number theorem,</i> Sichuan Normal University, Chengdu, Sichuan, China	June 19, 2025
	<i>On global representations generated by Eisenstein series,</i> Summer Workshop on Arithmetic Geometry and Representation Theory, Harbin Institute of Technology, Harbin, China	June 5, 2025
	<i>On adelic Siegel Eisenstein series of degree 2,</i> 2025 Fudan University Workshop on Diophantine Geometry and Exponential Sums, Fudan University, Shanghai, China	May 24, 2025

<i>An adelic approach to Eisenstein series,</i>	
The Chinese University of Hong Kong (Shenzhen), Shenzhen, Guangdong, China	Apr. 11, 2025
<i>On adelic Eisenstein series,</i>	
University of Science and Technology of China, Hefei, Anhui, China	Mar. 28, 2025
<i>Some results on refined strong multiplicity one for paramodular forms,</i>	
2024 Summer Conference on Number Theory, Wuhan University, Wuhan, Hubei, China	Aug. 28, 2024
<i>A brief introduction to classical modular forms,</i>	
Nankai University, Tianjin, China	Aug. 9, 2024
<i>On Siegel modular forms of degree 2,</i>	
Shenzhen MSU-BIT University, Shenzhen, Guangdong, China	July 12, 2024
<i>Strong multiplicity one and applications to Siegel modular forms,</i>	
2024 Chengdu Workshop on Number Theory, Sichuan Normal University, Chengdu, Sichuan, China	May 18, 2024
<i>On Erdős covering systems,</i>	
Sichuan University, Chengdu, Sichuan, China	May 17, 2024
<i>Representation theory of $\mathrm{GSp}(4)$ and applications to Siegel modular forms of degree 2 [English],</i>	
ShanghaiTech University, Shanghai, China	Apr. 11, 2024
<i>Studying Siegel modular forms from representation theoretic approach,</i>	
2024 Workshop on Number Theory and Applications, Southeast University & Minnan Normal University, Nanjing, Jiangsu, China	Mar. 10, 2024
<i>On strong multiplicity one for paramodular forms,</i>	
Symposium on Number Theory and Representation Theory VII, Zhejiang University, Hangzhou, Zhejiang, China	Jan. 7, 2024
<i>From Riemann Hypothesis to Langlands Program,</i>	
University of Science and Technology of China, Hefei, Anhui, China	Dec. 20, 2023
<i>Computing dimension formulas of Siegel modular forms from representation theory of $\mathrm{GSp}(4)$,</i>	
Wuhan University, Wuhan, Hubei, China (online)	Sept. 6, 2023
<i>An introduction to classical modular forms and their generalizations,</i>	
Shaanxi Normal University, Xian, Shaanxi, China	Aug. 24, 2023
<i>Siegel modular forms of degree 2 and representation theory of $\mathrm{GSp}(4)$,</i>	
Workshop on Automorphic Representations, Shandong University, Jinan, Shandong, China	Aug. 15, 2023
<i>Siegel modular forms of degree 2 and representation theory of $\mathrm{GSp}(4)$,</i>	
Nankai University, Tianjin, China (hybrid)	July 6, 2023
<i>On Eisenstein series of weight 2 (online),</i>	
Chengdu University of Technology, Chengdu, Sichuan, China	Nov. 30, 2022
<i>Classical and adelic Eisenstein series (online),</i>	
Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing, China	Nov. 28, 2022
<i>Classical and adelic Eisenstein series,</i>	
International Conference on L -Functions and Related Themes, Minnan Normal University, Zhangzhou, Fujian, China (online)	Aug. 7, 2022
<i>Some results on Eisenstein series,</i>	
AMS Special Session on Recent Advances on the Langlands Program,	

	Spring Western Sectional Meeting (online)	May 15, 2022
	<i>Counting cuspidal automorphic representations of $\mathrm{GSp}(4)$ and dimensions of Siegel cusp forms,</i> Institute of Geometry and Physics, University of Science and Technology of China, Hefei, Anhui, China (online)	Jan. 11, 2022
	<i>Counting cuspidal automorphic representations of $\mathrm{GSp}(4)$ and dimensions of Siegel cusp forms,</i> Sichuan Normal University, Chengdu, Sichuan, China (online)	Dec. 29, 2021
	<i>Classical modular forms and local-global representation theory,</i> Nankai University, Tianjin, China (online)	Dec. 10, 2021
	<i>Dimension formulas for spaces of Siegel modular forms of Klingen level 4,</i> Sun Yat-sen University (Zhuhai), Zhuhai, Guangdong, China (online)	Dec. 6, 2021
	<i>Siegel modular forms of degree 2 and Klingen level 4</i> (online), Morningside Seminar on Number Theory, Morningside Center of Mathematics, Beijing, China	Nov. 17, 2021
	<i>Siegel modular forms of degree 2 and Klingen level 4,</i> University of Science and Technology of China, Hefei, Anhui, China (online)	Nov. 2, 2021
	<i>An equidistribution theorem for cuspidal automorphic representations of $\mathrm{GSp}(4)$,</i> Sichuan University, Chengdu, Sichuan, China (online)	Jan. 29, 2021
	<i>The equidistribution theorem for a certain family of cuspidal automorphic representations for $\mathrm{GSp}(4)$,</i> Capital Normal University, Beijing, China (online)	Nov. 14, 2020
	<i>An equidistribution theorem for $\mathrm{GSp}(4)$ by counting cuspidal automorphic representations,</i> University of Science and Technology of China, Hefei, Anhui, China (online)	Nov. 12, 2020
	<i>On counting automorphic representations and its connection to an equidistribution theorem for $\mathrm{GSp}(4)$,</i> Algebra Seminar, University of North Texas, Denton, TX, USA (online)	Oct. 23, 2020
	<i>An equidistribution theorem for cuspidal automorphic representations for $\mathrm{GSp}(4)$,</i> Shandong University, Jinan, Shandong, China (online)	Oct. 22, 2020
	<i>A bridge between modular forms theory and representation theory,</i> Cameron University Math Seminar Series, Cameron University, Lawton, OK, USA	Apr. 16, 2019
	<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$,</i> Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC, USA	Feb. 26, 2019
	<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$,</i> Lie Groups Seminar, Oklahoma State University, Stillwater, OK, USA	Feb. 13, 2019
CONTRIBUTED TALKS	<i>An Introduction to Modular Forms,</i> Analytic Number Theory Seminar, School of Mathematical Sciences, Nankai University (online)	Dec. 15, 2022
	<i>Classical and adelic Eisenstein series of weight 2,</i> 34th Automorphic Forms Workshop, Brigham Young University (online)	Mar. 19, 2022
	<i>On certain Siegel modular forms of level 4,</i> 2022 Southern Regional Number Theory Conference, Louisiana State University (online)	Mar. 13, 2022
	<i>On dimension formulas of Siegel modular forms of level 4,</i> WCNT 2021: Problems in Number Theory (online)	Dec. 17, 2021
	<i>Siegel modular forms of level 4,</i> PALmetto Joint Arithmetic, Modularity, and Analysis Series III (online)	Sept. 26, 2021

<i>Dimension formulas of Siegel cusp forms for certain congruence subgroups, Women in automorphic forms, Bielefeld University (online)</i>	Sept. 21, 2021
<i>On counting cuspidal automorphic representations of $\mathrm{GSp}(4)$, New Developments in Number Theory (online)</i>	June 1, 2021
<i>On counting cuspidal automorphic representations of $\mathrm{GSp}(4)$, Mid-Atlantic Seminar On Numbers V (online)</i>	Mar. 28, 2021
<i>Analogues of Alladi's formula over global function fields, PALmetto Joint Arithmetic, Modularity, and Analysis Series II (online)</i>	Dec. 6, 2020
<i>On counting cuspidal automorphic representations for $\mathrm{GSp}(4)$, Front Range Number Theory Day (online)</i>	Sept. 26, 2020
<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$, Ninth Annual Upstate Number Theory Conference, Cornell University</i>	Apr. 28, 2019
<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$, TORA X, University of North Texas</i>	Apr. 6, 2019
<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$, 33rd Automorphic Forms Workshop, Duquesne University</i>	Mar. 10, 2019
<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$, Graduate Algebra Symposium, University of Oklahoma</i>	Mar. 2, 2019
<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4, F)$, PANTS XXXI, University of South Carolina</i>	Dec. 8, 2018
<i>$\mathrm{Kl}(\mathfrak{p}^2)$ vectors for $\mathrm{GSp}(4, F)$, TORA IX, University of Oklahoma</i>	Apr. 7, 2018
<i>Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$-invariant vectors for $\mathrm{GSp}(4, F)$, 31st Automorphic Forms Workshop, East Tennessee State University</i>	Mar. 8, 2017
<i>Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$-invariant vectors for irreducible non-supercuspidal representations of $\mathrm{GSp}(4, F)$, Graduate Algebra Symposium, University of North Texas</i>	Nov. 5, 2016
<i>Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4, F)$, TORA VII, University of North Texas</i>	Apr. 10, 2016
<i>Dimensions of Parahori-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4)$, Graduate Algebra Symposium, University of Oklahoma</i>	Mar. 5, 2016
<i>Dimensions of spaces of Parahori-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4)$, TORAS I, University of Oklahoma</i>	Mar. 28, 2015

Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$ and applications,
Boston University-Keio University Workshop in Number Theory 2019,
Boston University

June 24, 2019

Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$ and applications,
TORA X,
University of North Texas

Apr. 6, 2019

Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$ -invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4, F)$,
TORA VII,
University of North Texas

Apr. 10, 2016

DEPARTMENTAL Xiamen University

SEMINAR TALKS *Some remarks on classical and adelic Eisenstein series* [English],
XMU/XMUM Joint Mathematics Online Seminar (hybrid)

Apr. 7, 2025

A friendly introduction to modular forms (*general talk for undergraduate*),
Elementary Number Theory-Fall 2024

Dec. 16, 2024

A brief introduction to Riemann Hypothesis (*general talk for undergraduate*),
Elementary Number Theory-Fall 2024

Dec. 9, 2024

An informal introduction to automorphic representations (*general talk for undergraduate*), Nov. 27, 2024
Student Seminar

An Invitation to Modular Forms (*general talk for undergraduate*),
Student Seminar

June 5, 2024

Introduction to Sarnak's conjecture, II (*general paper reading talk*),
Dynamical System and Number Theory Seminar (online)

Mar. 21, 2024

Introduction to Sarnak's conjecture, I (*general paper reading talk*),
Dynamical System and Number Theory Seminar (online)

Mar. 14, 2024

From Riemann Hypothesis to Langlands Program, Part II (*general talk for undergraduate*), Mar. 13, 2024
Student Seminar

From Riemann Hypothesis to Langlands Program, Part I (*general talk for undergraduate*), Feb. 28, 2024
Student Seminar

The asymptotics of $r(4, t)$ (*general paper reading talk*),
Dynamical System and Number Theory Seminar

Nov. 10, 2023

An Introduction to Modular Forms, Part II,
Number Theory Seminar (online)

Dec. 28, 2022

An Introduction to Modular Forms, Part I,
Number Theory Seminar (online)

Dec. 21, 2022

University of South Carolina:

Eisenstein series from an adelic point of view,
Algebra, Geometry, and Number Theory Seminar (online)

Apr. 15, 2022

On dimensions of the spaces of Siegel modular forms,
Algebra, Geometry, and Number Theory Seminar (hybrid)

Oct. 29, 2021

On counting cuspidal automorphic representations and an equidistribution theorem for $\mathrm{GSp}(4)$,
Algebra, Geometry, and Number Theory Seminar (online)

Oct. 30, 2020

Klingen vectors of level 2 for $\mathrm{GSp}(4)$, Number Theory Seminar

Oct. 31, 2019

University of Oklahoma:

<i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$</i> , Algebra and Representation Theory Seminar	Nov. 30, 2018
<i>$\mathrm{Kl}(\mathfrak{p}^2)$ vectors for $\mathrm{GSp}(4, F)$</i> , Algebra and Representation Theory Seminar	Aug. 24, 2018
<i>An Introduction to $\mathrm{GSp}(4)$</i> , Student Algebra Seminar	Mar. 26, 2018
<i>An Introduction to Modular Form</i> , Student Algebra Seminar	Oct. 26, 2017
<i>Induced modules</i> , Student Algebra Seminar	Apr. 7, 2017
<i>An introduction to Saito-Kurokawa Lifting</i> , Student Algebra Seminar	Sept. 26, 2016
<i>Automorphic representations</i> , Student Algebra Seminar	Apr. 26, 2016
<i>Representations of Weil Groups</i> , Student Algebra Seminar	Feb. 11, 2016
<i>Weil Groups and Representations</i> , Student Algebra Seminar	Feb. 4, 2016
<i>Projective varieties</i> , Student Algebra Seminar	Dec. 3, 2015
<i>Affine varieties and Algebraic varieties</i> , Student Algebra Seminar	Oct. 22, 2015
<i>Automorphisms and derivations of Lie algebras</i> , Student Algebra Seminar	May 1, 2015
<i>Dimensions of spaces of Parahori-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4)$</i> , Algebra and Representation Theory Seminar	Apr. 3, 2015
<i>Haar measure</i> , Student Algebra Seminar	Sept. 17, 2014
<i>Haar measure, convolution, and characters of admissible representations, Part 2</i> , Student Algebra Seminar	Apr. 24, 2014
<i>Haar measure, convolution, and characters of admissible representations</i> , Student Algebra Seminar	Apr. 17, 2014
<i>Ramification and Bases, Part 2</i> , Student Algebra Seminar	Feb. 27, 2014
<i>Ramification and Bases</i> , Student Algebra Seminar	Feb. 20, 2014
<i>The Gelfand Transform</i> , Student Algebra Seminar	Oct. 17, 2013
<i>Banach Algebras and the Gelfand Transform</i> , Student Algebra Seminar	Oct. 10, 2013
ACADEMIC SERVICE	
Reviewer for <i>Mathematical Reviews (MR)</i> of AMS	Dec. 2020 - present
Reviewer for <i>International Journal of Number Theory (IJNT)</i>	June 2024 - present
Reviewer for <i>The Research in Number Theory (RNTB)</i>	Mar. 2024 - present
Reviewer for <i>The Acta Arithmetica (AA)</i>	Nov. 2023 - present
Reviewer for <i>The Manuscripta Mathematica (MAMA)</i>	Apr. 2023 - present
Reviewer for a paper in an edited book (Springer), Mathematics (number theory)	May 2022
A session chair @ 2025 Workshop on Number Theory and Related Fields	July 17 - 20, 2025
A session chair @ International Conference on Modular Forms and Their Applications	July 6 - 12, 2025
A session chair @ 2024 Summer Conference on Number Theory	Aug. 26 - 30, 2024

A session chair @ Workshop on Langlands Program and Representation Theory Nov. 3 - 6, 2023	
A session chair @ Workshop on Representations of Lie Groups and Automorphic Forms	May 26 - 28, 2023
A session chair @ WCNT 2021: Problems in Number Theory (online)	Dec. 16 - 19, 2021
Organizer @ Workshop on Automorphic Forms and Representations	Dec. 12 - 15, 2025
Co-organizer @ 2025 ‘Jingrun Star’ Expert Committee Meeting and Workshop on Number Theory and Applications	May 21 - 23, 2025
Organizer @ Workshop on Number Theory	Dec. 6 - 9, 2024
Organizer @ Workshop on Number Theory and Representation Theory	Dec. 8 - 11, 2023

School of Mathematical Sciences (Xiamen University):

Master’s Thesis Defense Committee Member	Spring 2025 - present
Bachelor’s Thesis Defense Committee Member	Spring 2024 - present
Seminar (workshops, seminar talks, student seminars, reading seminars)	Spring 2023 - present

Mathematics Department (University of South Carolina):

<i>Lower division advising</i> for undergraduate students of math major	Fall 2019 - Spring 2022
<i>Course transfer equivalency duties</i> (Course evaluations)	Fall 2019 - Spring 2022
<i>Volunteer</i> for The 34th Annual High School Mathematics Contest	Jan. 25, 2020
<i>Volunteer</i> for Set-Up Team in Math Picnic (Events Committee)	2019
<i>Volunteer</i> for Set-Up Team in End-of-Semester Holiday Drop In (Events Committee)	2019

Mathematics Department (University of Oklahoma):

<i>Volunteer</i> for The 4th Annual Meeting of SIAM Central States Section	2018
<i>Volunteer</i> for TORA IX	2018
<i>Organizer</i> of the Student Algebra Seminar	2015 - 2016
<i>Volunteer</i> for 20th Midwest Geometry Conference	2015
<i>Volunteer</i> for OU MATH DAY	2013 - 2018

AWARDS, HONORS	National Natural Science Foundation of China (Participated)	2026 - 2029
	Tongde Teaching Award	2025
	<i>-School of Mathematical Sciences, Xiamen University</i>	
	National Natural Science Foundation of China (Participated)	2025 - 2028
	The 19th Young Faculty Teaching Competition (First Prize)	2024
	<i>-Awarded annually to Young Faculty, Xiamen University</i>	
	National Natural Science Foundation of China (PI)	2024 - 2026
	Fundamental Research Funds for the Central Universities (PI)	2023 - 2025
	John Clark Brixey Graduate Scholarship	2016
	<i>-Awarded annually to PhD Students, Math. Department, OU</i>	

Teaching Assistantship – <i>Math. Department, University of Oklahoma</i>	2012 - 2019
Outstanding Student Scholarship – <i>Awarded annually to undergraduate students, Math. Department, USTC</i>	2010
MEMBERSHIPS Chinese Mathematical Society (CMS)	Nov. 2022 - present
American Mathematical Society (AMS)	Aug. 2012 - present
CONFERENCES, Workshop on Automorphic Forms and Representations (Organizer)	
WORKSHOPS <i>Xiamen University, Xiamen, Fujian, China</i>	Dec. 12 - 15, 2025
ATTENDED (*: ONLINE) Workshop on Representation Theory of Lie Groups and Related Topics <i>Xiamen University, Xiamen, Fujian, China</i>	Oct. 24 - 27, 2025
Workshop on Number Theory and Related Fields <i>Xiamen University, Xiamen, Fujian, China</i>	July 17 - 20, 2025
Recent Progress on Representation Theory of Reductive Groups and Quantum Theory <i>Chern Institute of Mathematics, Nankai University, Tianjin, China</i>	July 13 - 17, 2025
International Conference on Modular Forms and Their Applications <i>Wuhan University, Wuhan, Hubei, China</i>	July 6 - 12, 2025
2025 Conference on Number Theory and Related Fields <i>Xinjiang Normal University, Ürümqi, Xinjiang, China</i>	July 1 - 6, 2025
Mini Workshop on Number Theory <i>Chengdu University of Technology, Chengdu, Sichuan, China</i>	June 20, 2025
Summer Workshop on Arithmetic Geometry and Representation Theory <i>Harbin Institute of Technology, Harbin, China</i>	June 4 - 9, 2025
2025 Fudan University Workshop on Diophantine Geometry and Exponential Sums <i>Fudan University, Shanghai, China</i>	May 23 - 26, 2025
2025 ‘Jingrun Star’ Expert Committee Meeting and Workshop on Number Theory and Applications (Co-organizer) <i>Xiamen University, Xiamen, Fujian, China</i>	May 21 - 23, 2025
Workshop on Number Theory (Organizer) <i>Xiamen University, Xiamen, Fujian, China</i>	Dec. 6 - 9, 2024
2024 Summer Conference on Number Theory <i>Wuhan University, Wuhan, Hubei, China</i>	Aug. 26 - 30, 2024
2024 Chen Jing-Run Prize Conference <i>Morningside Center of Mathematics, Chinese Academy of Sciences, Beijing, China</i>	July 29 - 31, 2024
Workshop on Representation Theory of Lie Groups and Related Topics <i>Xiamen University, Xiamen, Fujian, China</i>	July 18 - 21, 2024
Working Seminar on Analytic Number Theory II <i>Lanzhou University, Lanzhou, Gansu, China</i>	July 7 - 11, 2024
2024 Chengdu Workshop on Number Theory <i>Sichuan Normal University, Chengdu, Sichuan, China</i>	May 17 - 19, 2024
Southeast Workshop on Algebraic Geometry <i>Xiamen University, Xiamen, Fujian, China</i>	Mar. 29 - Apr. 1, 2024

2024 Workshop on Number Theory and Applications <i>Southeast University & Minnan Normal University, Nanjing, Jiangsu, China</i>	Mar. 8 - 11, 2024
Working Seminar on Analytic Number Theory I <i>Tsinghua Sanya International Mathematics Forum (TSIMF), Sanya, Hainan, China</i>	Feb. 19 - 23, 2024
Symposium on Number Theory and Representation Theory VII <i>Zhejiang University, Hangzhou, Zhejiang, China</i>	Jan. 5 - 7, 2024
Workshop on Number Theory and Representation Theory (Organizer) <i>Xiamen University, Xiamen, Fujian, China</i>	Dec. 8 - 11, 2023
Langlands Correspondence, Automorphic Representations, and Related Topics <i>Wuhan University, Wuhan, Hubei, China</i>	Nov. 18 - 19, 2023
Workshop on Langlands Program and Representation Theory <i>Xiamen University, Xiamen, Fujian, China</i>	Nov. 3 - 6, 2023
The 3rd Cross Strait Workshop on Arithmetic Geometry <i>University of Science and Technology of China (USTC), Hefei, Anhui, China</i>	Aug. 18 - 23, 2023
2023 Workshop on Automorphic Representations <i>Shandong University, Jinan, Shandong, China</i>	Aug. 14 - 18, 2023
The eleventh Pan Asian Number Theory (PANT) Conference <i>Harbin Institute of Technology, Harbin, China</i>	Aug. 1 - 5, 2023
Satellite Conference in Number Theory of International Congress of Basic Science <i>Morningside Center of Mathematics, Chinese Academy of Sciences, Beijing, China</i>	July 10 - 14, 2023
2023 USTC-HFUT Number Theory Conference <i>USTC-HFUT, Hefei, Anhui, China</i>	July 2 - 5, 2023
2023 Workshop on Representations of Lie Groups and Automorphic Forms <i>Xiamen University, Xiamen, Fujian, China</i>	May 26 - 28, 2023
2023 Fudan Number Theory Seminar <i>Fudan University, Shanghai, China</i>	May 13, 2023
USTC-XJTU Number Theory Conference <i>University of Science and Technology of China (USTC), Hefei, Anhui, China</i>	Apr. 8 - 9, 2023
22nd Fujian Province “Advanced Algebra” and “Linear Algebra” Course Construction Conference <i>Minnan Normal University, Zhangzhou, Fujian, China</i>	Mar. 24 - 26, 2023
Shimura Varieties and L -Functions* <i>Mathematical Sciences Research Institute (MSRI), Berkeley, CA, USA</i>	Mar. 13 - 17, 2023
Zeta functions and their representations* <i>Research Institute for Mathematical Sciences (RIMS Symposium), Kyoto, Japan</i>	Mar. 6 - 8, 2023
Instructional workshop on Iwasawa theory for automorphic forms* <i>Korea Institute for advanced Study (KIAS), Seoul, Republic of Korea</i>	Dec. 19 - 22, 2022
International Conference on L -Functions and Related Themes* <i>Minnan Normal University, Zhangzhou, Fujian, China</i>	Aug. 5 - 9, 2022
AMS Special Session on Recent Advances on the Langlands Program* <i>Spring Western Sectional Meeting (formerly at University of Denver)</i>	May 14 - 15, 2022
34th Automorphic Forms Workshop* <i>Brigham Young University, Provo, Utah</i>	Mar. 16 - 19, 2022
2022 Southern Regional Number Theory Conference* <i>Louisiana State University</i>	Mar. 12 - 13, 2022

Southern California Number Theory Day*	Feb. 5, 2022
WCNT 2021: Problems in Number Theory*	Dec. 16 - 19, 2021
PAlmetto Joint Arithmetic, Modularity, and Analysis Series III*	Sept. 25 - 26, 2021
Women in automorphic forms* <i>Bielefeld University</i>	Sept. 20 - 22, 2021
miniMAGNTS 2021*	Aug. 11, 2021
Theta Series: Representation Theory, Geometry, and Arithmetic* <i>in honor of Steve Kudla 70th birthday</i>	July 5 - 9, 2021
Around Frobenius distributions and related topics II*	June 28 - 29, 2021
Curves over Finite Fields: Past, Present and Future*	May 25 - 29, 2021
Rational Points and Galois Representations* <i>University of Pittsburgh</i>	May 10 - 12, 2021
Front Range Number Theory Day*	Apr. 24, 2021
Mid-Atlantic Seminar On Numbers V*	Mar. 27 - 28, 2021
PAlmetto Joint Arithmetic, Modularity, and Analysis Series II*	Dec. 5 - 6, 2020
2020 Paul J. Sally, Jr. Midwest Representation Theory Conference*	Oct. 16 - 18, 2020
Number Theory Down Under 8 (NTDU8)*	Oct. 6 - 8, 2020
Québec-Maine Number Theory Conference*	Sept. 26 - 27, 2020
Front Range Number Theory Day*	Sept. 26, 2020
PAlmetto Joint Arithmetic, Modularity, and Analysis Series*	Sept. 19 - 20, 2020
Chicago Number Theory Day (CNTD 2020)*	June 20, 2020
Online Conference in Automorphic Forms*	June 1 - 5, 2020
Automorphic Forms in Budapest 2020	
Cross Atlantic Representation Theory and Other topics ONline*	May 29 - 31, 2020
S. I. Adian memorial conference, Moscow*	May 26 - 27, 2020
Conference on Representation Theory and Algebraic Analysis* <i>in honor of Joseph Bernstein on the occasion of his 75th birthday</i>	May 11 - 14, 2020
DG methods in commutative algebra and representation theory*	May 2 - 3, 2020
Front Range Number Theory Day*	Apr. 25, 2020
AGONIZE: Arithmetic Geometry is ONline In Zoom, Everyone*	Mar. 25, 2020
PANTS XXXIII: Palmetto Number Theory Series XXXIII <i>in celebration of the 60th birthday of Michael Filaseta</i> Clemson University, Clemson, SC, USA	Dec. 14 - 15, 2019
Modular Forms, Arithmetic, and Women in Mathematics (MAAIM) Emory University, Atlanta, GA, USA	Nov. 1 - 3, 2019
PANTS XXXII: Palmetto Number Theory Series XXXII University of North Carolina at Charlotte, Charlotte, NC, USA	Sept. 21 - 22, 2019
Boston University-Keio University Workshop in Number Theory 2019 Boston University, Boston, MA, USA	June 24 - 28, 2019

49th John H. Barrett Memorial Lectures: Recent Developments in Number Theory University of Tennessee, Knoxville, TN, USA	May 28 - 30, 2019
Ninth Annual Upstate Number Theory Conference Cornell University, Ithaca, NY, USA	Apr. 27 - 28, 2019
TORA X: Texas–Oklahoma Representations and Automorphic Forms X University of North Texas, Denton, TX, USA	Apr. 5 - 7, 2019
Hawaii Number Theory 2019 (HINT 2019) University of Hawai'i at Mānoa, Honolulu, HI, USA	Mar. 18 - 21, 2019
33rd Automorphic Forms Workshop Duquesne University, Pittsburgh, PA, USA	Mar. 6 - 10, 2019
Graduate Algebra Symposium(Joint with UTA, UNT, and OU) University of Oklahoma, Norman, OK, USA	Mar. 2, 2019
JMM 2019: Joint Mathematics Meetings 2019 The Baltimore Convention Center, Baltimore, MD, USA	Jan. 17 - 19, 2019
PANTS XXXI: Palmetto Number Theory Series XXXI University of South Carolina, Columbia, SC, USA	Dec. 8 - 9, 2018
TORA IX: Texas–Oklahoma Representations and Automorphic Forms IX University of Oklahoma, Norman, OK, USA	Apr. 7 - 8, 2018
The 2017 Paul J. Sally, Jr. Midwest Representation Theory Conference <i>Honoring the 70th Birthday of Freydoon Shahidi</i> Purdue University, West Lafayette, IN, USA	Oct. 20 - 22, 2017
TORA VIII: Texas–Oklahoma Representations and Automorphic Forms VIII Oklahoma State University, Stillwater, OK, USA	Mar. 31 - Apr. 2, 2017
31st Automorphic Forms Workshop East Tennessee State University, Johnson City, TN, USA	Mar. 6 - 9, 2017
Graduate Algebra Symposium(Joint with UTA, UNT, and OU) University of North Texas, Denton, TX, USA	Nov. 5, 2016
TORA VII: Texas–Oklahoma Representations and Automorphic Forms VII University of North Texas, Denton, TX, USA	Apr. 8 - 10, 2016
Graduate Algebra Symposium(Joint with UTA, UNT, and OU) University of Oklahoma, Norman, OK, USA	Mar. 5, 2016
TORAS I: Texas-Oklahoma Representations and Automorphic Forms for Students University of Oklahoma, Norman, OK, USA	Mar. 28 - 29, 2015
Graduate Algebra Symposium(Joint with UTA, UNT, and OU) University of Oklahoma, Norman, OK, USA	Oct. 4, 2014
TORA VI: Texas—Oklahoma Representations and Automorphic Forms VI University of Oklahoma, Norman, OK, USA	Mar. 7 - 9, 2014
Graduate Algebra Symposium(Joint with UTA, UNT, and OU) University of North Texas, Denton, TX, USA	Nov. 9, 2013
MINI COURSES ONLINE	Enumerative geometry, Hurwitz theory, and quasimodularity Sept. 16 - Oct. 28, 2025 Instructors: Don Zagier, Max Planck Institute for Mathematics
	Lecture on Cyclotomic Fields and Iwasawa Theory Sept. 18 - Dec. 4, 2024 Instructors: Preda Mihailescu, Gottingen University

Core topics in modern number theory. I'	Dec. 1, 2022 - Apr. 20, 2023
Instructors: Ivan Fesenko, The University of Warwick	
Trimester Program on Harmonic Analysis and Analytic Number Theory	May 3 - Aug. 20, 2021
Organizers: Valentin Blomer, Farrell Brumley, Philip Gressman, Marina Iliopoulou, Lillian B. Pierce	
Spring School towards a mod p Langlands correspondence	Apr. 26 - 30, 2021
Instructors: Christophe Breuil, Florian Herzig, Yongquan Hu, Stefano Morra, Benjamin Schraen	
Fourier methods in combinatorial number theory	Nov. 4 - Dec. 9, 2020
Instructor: Sean Prendiville, Lancaster University	
AGITTOC 2020: Algebraic Geometry in the Time of COVID	
Math 216: Foundations of Algebraic Geometry	June 27 - Sept. 12, 2020
Instructor: Ravi Vakil, Stanford University	
Tianyuan Mathematical Center in Southeast China (TMSE) Minicourse	Aug. 9 - 17, 2020
Exponential sums over finite fields, Instructor: Daqing Wan (UCI)	
The evolution of Galois's idea in number theory: from Galois theory to Galois representations, Instructor: Yi Ouyang (USTC)	
Introduction to modular forms, Instructor: Shanwen Wang (RUC)	
Torsion subgroups of modular Jacobian varieties over abelian fields	July 20 - 31, 2020
Instructor: Yuan Ren, Sichuan Normal University (@ USTC)	
Distribution of prime numbers	May 1 - 3, 2020
Instructor: Jie Wu, Université Paris-Est Créteil (@ Soochow University)	

TRAININGS

Xiamen University:

Teaching Training Summer Camp	July 21 - 24, 2024
2023 Training for New Graduate Advisors	Nov. 25, 2023
2023 Provincial Undergraduate Courses Teacher Training	Nov. 1 - 3, 2023
New Faculty Training part II	Dec. 17 - 18, 2022
New Faculty Training part I	Nov. 14 - 15, 19, 2022

University of South Carolina:

CAS Faculty Development Program (FDP)	Fall 2019 - Spring 2020
<i>-Introduction to the resources of the National Center for Faculty Development and Diversity, other practical tips and information needed to be successful in their research, teaching, and service endeavors.</i>	

New Faculty Academy (NFA)

Fall 2019 - Spring 2020

-Certificate obtained by participating in six or more NFA sessions scheduled during the year

Online short course: Technology for Online Teaching and Learning

Oct. 29 - Dec. 9, 2019

-Certificate obtained by completing the 6-week online course on integrating technology for online course delivery to transform learning environments

2019 Oktoberfest: A Celebration of Teaching

Oct. 18, 2019

-One-day symposium focused on sharing best practices in teaching.

University of Oklahoma:

Endorsement in Preparation for Teaching Undergraduate Mathematics

2019

-Certificate obtained by completing 6 credit hours of course work in undergraduate mathematics education and teaching at least one class as the instructor of record

Academic Writing for Multilingual Graduate Students

Winter 2019

-Course certificate obtained by enrolling in a two weeks graduate course

	The International Instructor Training Course -Course certificate obtained by enrolling in a semester graduate course	Fall 2018
	The ETCS English Fast Track Course -Course certificate obtained by enrolling in a two weeks graduate course	Summer 2018
	Development for International Teaching Assistant Training -Mandatory teacher training program for international students	2012
INVITED VISITS	Sichuan University, China	June 20 - 23, 2025
	Chengdu University of Technology, China	June 20, 2025
	Sichuan Normal University, China	June 16 - 19, 2025
	The Chinese University of Hong Kong (Shenzhen), China	Apr. 9 - 13, 2025
	University of Science and Technology of China, China	Mar. 26 - 31, 2025
	Chinese Academy of Sciences, China	Mar. 19 - 20, 2025
	Yunnan University, China	Jan. 12 - 25, 2025
	Nankai University, China	Aug. 1 - 10, 2024
	Ocean University of China, China	July 25 - 28, 2024
	Shenzhen MSU-BIT University, China	July 12 - 14, 2024
	Sichuan University, China	May 17, 2024
	ShanghaiTech University, China	Apr. 10 - 12, 2024
	University of Science and Technology of China, China	Dec. 20 - 21, 2023
	Shaanxi Normal University, China	Aug. 23 - 30, 2023
	Nankai University, China	July 5 - 9, 2023
	Caltech, USA	June 1 - 9, 2019
	Cameron University, USA	Apr. 16, 2019
	Clemson University, USA	Feb. 26 - 27, 2019
	Oklahoma State University, USA	Feb. 13, 2019
UNDERGRAD	Chinese Academy of Sciences (CAS), Beijing, China	Summer, 2011
SUMMER CAMP		
COMPUTER SKILLS	LATEX, Mathematica, HTML, CoCalc, SAGE, Magma	
LANGUAGES	Chinese (native), English (fluent)	