

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

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**

<a href="#">Advanced Algebra I</a>	Fall 2025
<a href="#">Elementary Number Theory</a>	Fall 2025
No Teaching	Spring 2025
<a href="#">Advanced Algebra I</a>	Fall 2024
<a href="#">Elementary Number Theory</a>	Fall 2024
<a href="#">Function Theory of One Complex Variable</a>	Spring 2024
<a href="#">Advanced Algebra I</a>	Fall 2023
<a href="#">Elementary Number Theory</a>	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**

<a href="#">Math 142 Calculus II</a>	Spring 2022
<a href="#">Math 546/701I Algebraic Structures I</a>	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
<a href="#">Math 546/701I Algebraic Structures I</a> (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
<a href="#">Math 546/701I Algebraic Structures I</a> (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

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Graduate Teaching Assistant, Department of Mathematics, University of Oklahoma

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**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**

Fall 2013 - Spring 2019

Pre-Calculus; Trigonometry; College Algebra; Business Calculus; Advanced Calculus

**Grader**

Fall 2012 - Spring 2017

Calculus; Ordinary differential equations; Linear algebra; Abstract algebra PYTHON;  
Analysis; Partial differential equations; Discrete mathematics (Capstone)

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

*On classical and adelic Siegel Eisenstein series of degree 2* [English],  
International Conference on Modular Forms and Their Applications,  
Wuhan University, Wuhan, Hubei, China

July 11, 2025

*On classical and adelic Eisenstein series,*  
Sichuan University, Chengdu, Sichuan, China

June 20, 2025

*Generalizations of the prime number theorem and applications,*  
Mini Workshop on Number Theory,  
Chengdu University of Technology, Chengdu, Sichuan, China

June 20, 2025

*Dynamical generalizations of the prime number theorem,*  
Sichuan Normal University, Chengdu, Sichuan, China

June 19, 2025

*On global representations generated by Eisenstein series,*  
Summer Workshop on Arithmetic Geometry and Representation Theory,  
Harbin Institute of Technology, Harbin, China

June 5, 2025

*On adelic Siegel Eisenstein series of degree 2,*  
2025 Fudan University Workshop on Diophantine Geometry and Exponential Sums,  
Fudan University, Shanghai, China

May 24, 2025

*An adelic approach to Eisenstein series*,  
The Chinese University of Hong Kong (Shenzhen), Shenzhen, Guangdong, China Apr. 11, 2025

*On adelic Eisenstein series*,  
University of Science and Technology of China, Hefei, Anhui, China Mar. 28, 2025

*Some results on refined strong multiplicity one for paramodular forms*,  
2024 Summer Conference on Number Theory,  
Wuhan University, Wuhan, Hubei, China Aug. 28, 2024

*A brief introduction to classical modular forms*,  
Nankai University, Tianjin, China Aug. 9, 2024

*On Siegel modular forms of degree 2*,  
Shenzhen MSU-BIT University, Shenzhen, Guangdong, China July 12, 2024

*Strong multiplicity one and applications to Siegel modular forms*,  
2024 Chengdu Workshop on Number Theory,  
Sichuan Normal University, Chengdu, Sichuan, China May 18, 2024

*On Erdős covering systems*,  
Sichuan University, Chengdu, Sichuan, China May 17, 2024

*Representation theory of  $\mathrm{GSp}(4)$  and applications to Siegel modular forms of degree 2* [English],  
ShanghaiTech University, Shanghai, China Apr. 11, 2024

*Studying Siegel modular forms from representation theoretic approach*,  
2024 Workshop on Number Theory and Applications,  
Southeast University & Minnan Normal University, Nanjing, Jiangsu, China Mar. 10, 2024

*On strong multiplicity one for paramodular forms*,  
Symposium on Number Theory and Representation Theory VII,  
Zhejiang University, Hangzhou, Zhejiang, China Jan. 7, 2024

*From Riemann Hypothesis to Langlands Program*,  
University of Science and Technology of China, Hefei, Anhui, China Dec. 20, 2023

*Computing dimension formulas of Siegel modular forms from representation theory of  $\mathrm{GSp}(4)$* ,  
Wuhan University, Wuhan, Hubei, China (online) Sept. 6, 2023

*An introduction to classical modular forms and their generalizations*,  
Shaanxi Normal University, Xian, Shaanxi, China Aug. 24, 2023

*Siegel modular forms of degree 2 and representation theory of  $\mathrm{GSp}(4)$* ,  
Workshop on Automorphic Representations,  
Shandong University, Jinan, Shandong, China Aug. 15, 2023

*Siegel modular forms of degree 2 and representation theory of  $\mathrm{GSp}(4)$* ,  
Nankai University, Tianjin, China (hybrid) July 6, 2023

*On Eisenstein series of weight 2* (online),  
Chengdu University of Technology, Chengdu, Sichuan, China Nov. 30, 2022

*Classical and adelic Eisenstein series* (online),  
Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing, China Nov. 28, 2022

*Classical and adelic Eisenstein series*,  
International Conference on  $L$ -Functions and Related Themes,  
Minnan Normal University, Zhangzhou, Fujian, China (online) Aug. 7, 2022

*Some results on Eisenstein series*,  
AMS Special Session on Recent Advances on the Langlands Program,

Spring Western Sectional Meeting (online)	May 15, 2022
<i>Counting cuspidal automorphic representations of <math>\mathrm{GSp}(4)</math> 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 <math>\mathrm{GSp}(4)</math> 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 <math>\mathrm{GSp}(4)</math></i> , Sichuan University, Chengdu, Sichuan, China (online)	Jan. 29, 2021
<i>The equidistribution theorem for a certain family of cuspidal automorphic representations for <math>\mathrm{GSp}(4)</math></i> , Capital Normal University, Beijing, China (online)	Nov. 14, 2020
<i>An equidistribution theorem for <math>\mathrm{GSp}(4)</math> 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 <math>\mathrm{GSp}(4)</math></i> , Algebra Seminar, University of North Texas, Denton, TX, USA (online)	Oct. 23, 2020
<i>An equidistribution theorem for cuspidal automorphic representations for <math>\mathrm{GSp}(4)</math></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 <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math></i> , Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC, USA	Feb. 26, 2019
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math></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,</i> Women in automorphic forms, Bielefeld University (online)	Sept. 21, 2021
<i>On counting cuspidal automorphic representations of <math>\mathrm{GSp}(4)</math>,</i> New Developments in Number Theory (online)	June 1, 2021
<i>On counting cuspidal automorphic representations of <math>\mathrm{GSp}(4)</math>,</i> Mid-Atlantic Seminar On Numbers V (online)	Mar. 28, 2021
<i>Analogues of Alladi's formula over global function fields,</i> PALmetto Joint Arithmetic, Modularity, and Analysis Series II (online)	Dec. 6, 2020
<i>On counting cuspidal automorphic representations for <math>\mathrm{GSp}(4)</math>,</i> Front Range Number Theory Day (online)	Sept. 26, 2020
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math>,</i> Ninth Annual Upstate Number Theory Conference, Cornell University	Apr. 28, 2019
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math>,</i> TORA X, University of North Texas	Apr. 6, 2019
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math>,</i> 33rd Automorphic Forms Workshop, Duquesne University	Mar. 10, 2019
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math>,</i> Graduate Algebra Symposium, University of Oklahoma	Mar. 2, 2019
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4, F)</math>,</i> PANTS XXXI, University of South Carolina	Dec. 8, 2018
<i><math>\mathrm{Kl}(\mathfrak{p}^2)</math> vectors for <math>\mathrm{GSp}(4, F)</math>,</i> TORA IX, University of Oklahoma	Apr. 7, 2018
<i>Dimensions of <math>\mathrm{Kl}(\mathfrak{p}^2)</math>-invariant vectors for <math>\mathrm{GSp}(4, F)</math>,</i> 31st Automorphic Forms Workshop, East Tennessee State University	Mar. 8, 2017
<i>Dimensions of <math>\mathrm{Kl}(\mathfrak{p}^2)</math>-invariant vectors for irreducible non-supercuspidal representations of <math>\mathrm{GSp}(4, F)</math>,</i> Graduate Algebra Symposium, University of North Texas	Nov. 5, 2016
<i>Dimensions of <math>\mathrm{Kl}(\mathfrak{p}^2)</math>-invariant vectors for Iwahori-spherical representations of <math>\mathrm{GSp}(4, F)</math>,</i> TORA VII, University of North Texas	Apr. 10, 2016
<i>Dimensions of Parahori-invariant vectors for Iwahori-spherical representations of <math>\mathrm{GSp}(4)</math>,</i> Graduate Algebra Symposium, University of Oklahoma	Mar. 5, 2016
<i>Dimensions of spaces of Parahori-invariant vectors for Iwahori-spherical representations of <math>\mathrm{GSp}(4)</math>,</i> TORAS I, University of Oklahoma	Mar. 28, 2015

<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math> and applications,</i> Boston University-Keio University Workshop in Number Theory 2019, Boston University	June 24, 2019
<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math> and applications,</i> TORA X, University of North Texas	Apr. 6, 2019
<i>Dimensions of <math>\mathrm{Kl}(\mathfrak{p}^2)</math>-invariant vectors for Iwahori-spherical representations of <math>\mathrm{GSp}(4, F)</math>,</i> TORA VII, University of North Texas	Apr. 10, 2016

#### DEPARTMENTAL **Xiamen University**

SEMINAR TALKS	<i>Some remarks on classical and adelic Eisenstein series</i> [English], XMU/XMUM Joint Mathematics Online Seminar (hybrid)	Apr. 7, 2025
	<i>A friendly introduction to modular forms</i> (general talk for undergraduate), <a href="#">Elementary Number Theory-Fall 2024</a>	Dec. 16, 2024
	<i>A brief introduction to Riemann Hypothesis</i> (general talk for undergraduate), <a href="#">Elementary Number Theory-Fall 2024</a>	Dec. 9, 2024
	<i>An informal introduction to automorphic representations</i> (general talk for undergraduate), <a href="#">Student Seminar</a>	Nov. 27, 2024
	<i>An Invitation to Modular Forms</i> (general talk for undergraduate), <a href="#">Student Seminar</a>	June 5, 2024
	<i>Introduction to Sarnak's conjecture, II</i> (general paper reading talk), <a href="#">Dynamical System and Number Theory Seminar</a> (online)	Mar. 21, 2024
	<i>Introduction to Sarnak's conjecture, I</i> (general paper reading talk), <a href="#">Dynamical System and Number Theory Seminar</a> (online)	Mar. 14, 2024
	<i>From Riemann Hypothesis to Langlands Program, Part II</i> (general talk for undergraduate), <a href="#">Student Seminar</a>	Mar. 13, 2024
	<i>From Riemann Hypothesis to Langlands Program, Part I</i> (general talk for undergraduate), <a href="#">Student Seminar</a>	Feb. 28, 2024
	<i>The asymptotics of <math>r(4, t)</math></i> (general paper reading talk), <a href="#">Dynamical System and Number Theory Seminar</a>	Nov. 10, 2023
	<i>An Introduction to Modular Forms, Part II,</i> Number Theory Seminar (online)	Dec. 28, 2022
	<i>An Introduction to Modular Forms, Part I,</i> Number Theory Seminar (online)	Dec. 21, 2022
<b>University of South Carolina:</b>		
	<i>Eisenstein series from an adelic point of view,</i> Algebra, Geometry, and Number Theory Seminar (online)	Apr. 15, 2022
	<i>On dimensions of the spaces of Siegel modular forms,</i> Algebra, Geometry, and Number Theory Seminar (hybrid)	Oct. 29, 2021
	<i>On counting cuspidal automorphic representations and an equidistribution theorem for <math>\mathrm{GSp}(4)</math>,</i> Algebra, Geometry, and Number Theory Seminar (online)	Oct. 30, 2020
	<i>Klingen vectors of level 2 for <math>\mathrm{GSp}(4)</math>,</i> Number Theory Seminar	Oct. 31, 2019

## University of Oklahoma:

<i>Klingen <math>\mathfrak{p}^2</math> vectors for <math>\mathrm{GSp}(4)</math></i> , Algebra and Representation Theory Seminar	Nov. 30, 2018
$\mathrm{Kl}(\mathfrak{p}^2)$ vectors for $\mathrm{GSp}(4, F)$ , Algebra and Representation Theory Seminar	Aug. 24, 2018
<i>An Introduction to <math>\mathrm{GSp}(4)</math></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 <math>\mathrm{GSp}(4)</math></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</i> (MR) of AMS	Dec. 2020 - present
Reviewer for <i>International Journal of Number Theory</i> (IJNT)	June 2024 - present
Reviewer for <i>The Research in Number Theory</i> (RNTB)	Mar. 2024 - present
Reviewer for <i>The Acta Arithmetica</i> (AA)	Nov. 2023 - present
Reviewer for <i>The Manuscripta Mathematica</i> (MAMA)	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  
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):**

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

### **Mathematics Department (University of Oklahoma):**

*Volunteer* for [The 4th Annual Meeting of SIAM Central States Section](#) 2018  
*Volunteer* for [TORA IX](#) 2018  
*Organizer* of the [Student Algebra Seminar](#) 2015 - 2016  
*Volunteer* for [20th Midwest Geometry Conference](#) 2015  
*Volunteer* for [OU MATH DAY](#) 2013 - 2018

### **AWARDS, HONORS**

National Natural Science Foundation of China (Participated) 2026 - 2029  
Tongde Teaching Award 2025  
–*School of Mathematical Sciences, Xiamen University*  
National Natural Science Foundation of China (Participated) 2025 - 2028  
The 19th Young Faculty Teaching Competition (First Prize) 2024  
–*Awarded annually to Young Faculty, Xiamen University*  
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  
–*Awarded annually to PhD Students, Math. Department, OU*

	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, WORKSHOPS 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 <a href="#">Workshop on Number Theory and Applications</a> (Co-organizer) <i>Xiamen University, Xiamen, Fujian, China</i>	May 21 - 23, 2025
	<a href="#">Workshop on Number Theory</a> (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 &amp; 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
<a href="#">Workshop on Number Theory and Representation Theory</a> (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	<a href="#">Enumerative geometry, Hurwitz theory, and quasimodularity</a> Instructors: Don Zagier, Max Planck Institute for Mathematics	Sept. 16-Oct. 28, 2025
	<a href="#">Lecture on Cyclotomic Fields and Iwasawa Theory</a> Instructors: Preda Mihailescu, Gottingen University	Sept. 18-Dec. 4, 2024
	<a href="#">Core topics in modern number theory. I'</a> Instructors: Ivan Fesenko, The University of Warwick	Dec. 1, 2022-Apr. 20, 2023

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 evolvement of Galois's idea in number theory: from Galois theory to Galois representations,  
 Instructor: Yi Ouyang (USTC)  
 Introduction to modular form, 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  
*-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.*  
 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 Oktoberbest: 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 atleast 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 Fall 2018  
*-Course certificate obtained by enrolling in a semester graduate course*

	The ETCS English Fast Track Course – <i>Course certificate obtained by enrolling in a two weeks graduate course</i>	Summer 2018
	Development for International Teaching Assistant Training – <i>Mandatory teacher training program for international students</i>	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 SUMMER CAMP	Chinese Academy of Sciences (CAS), Beijing, China	Summer, 2011
COMPUTER SKILLS	$\text{\LaTeX}$ , Mathematica, HTML, CoCalc, SAGE, Magma	
LANGUAGES	Chinese (native), English (fluent)	