

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>Some ergodic theorems over squarefree numbers</b> (with Huixi Li, Biao Wang and Chunlin Wang). <i>Submitted</i> , 2024. [ <a href="#">arXiv</a> ].	
	2. <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> ].	
	3. <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> ].	
	4. <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> ].	
	5. <b>On the minimum modulus problem in number fields</b> (with Huixi Li and Biao Wang). <i>Submitted</i> , 2023. [ <a href="#">arXiv</a> ].	
	6. <b>On distinguishing Siegel cusp forms of degree two</b> (with Zhining Wei). <i>Submitted</i> , 2022. [ <a href="#">arXiv</a> ].	
	7. <b>Dimension formulas for Siegel modular forms of level 4</b> (with Manami Roy and Ralf Schmidt, and with an appendix by Cris Poor and David Yuen). <i>Mathematika</i> 69 (2023), no. 3, 795-840. [ <a href="#">arXiv</a> , <a href="#">DOI</a> ].	
	8. <b>Generalizations of the Erdős-Kac Theorem and the Prime Number Theorem</b> (with Biao Wang, Zhining Wei and Pan Yan). <i>Published online in Communications in Mathematics and Statistics</i> , 2023. [ <a href="#">arXiv</a> , <a href="#">DOI</a> ].	

9. **Classical and adelic Eisenstein series**  
(with Manami Roy and Ralf Schmidt).  
*To appear in Rocky Mountain Journal of Mathematics*, 2024. [[arXiv](#)].
10. **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](#)].
11. **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](#)].
12. **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](#)].
13. **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](#)].
14. **Klingen  $\mathfrak{p}^2$  vectors for  $\mathrm{GSp}(4)$ .**  
*The Ramanujan Journal* 54 (2021), no. 3, 511-554. [[SharedIt link](#), [DOI](#)].
15. **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**

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 (online)</a>	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 (online)</a>	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**

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 *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*,  
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), Nov. 30, 2022  
Chengdu University of Technology, Chengdu, Sichuan, China
- Classical and adelic Eisenstein series* (online), Nov. 28, 2022  
Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing, China
- 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
- Counting cuspidal automorphic representations of  $\mathrm{GSp}(4)$  and dimensions of Siegel cusp forms*, Institute of Geometry and Physics, University of Science and Technology of China, Hefei, Anhui, China (online) Jan. 11, 2022
- Counting cuspidal automorphic representations of  $\mathrm{GSp}(4)$  and dimensions of Siegel cusp forms*, Sichuan Normal University, Chengdu, Sichuan, China (online) Dec. 29, 2021
- Classical modular forms and local-global representation theory*, Dec. 10, 2021  
Nankai University, Tianjin, China (online)
- Dimension formulas for spaces of Siegel modular forms of Klingen level 4*, Dec. 6, 2021  
Sun Yat-sen University (Zhuhai), Zhuhai, Guangdong, China (online)
- Siegel modular forms of degree 2 and Klingen level 4* (online), Nov. 17, 2021  
Morningside Seminar on Number Theory, Morningside Center of Mathematics, Beijing, China
- Siegel modular forms of degree 2 and Klingen level 4*, Nov. 2, 2021  
University of Science and Technology of China, Hefei, Anhui, China (online)
- An equidistribution theorem for cuspidal automorphic representations of  $\mathrm{GSp}(4)$* , Jan. 29, 2021  
Sichuan University, Chengdu, Sichuan, China (online)
- The equidistribution theorem for a certain family of cuspidal automorphic representations for  $\mathrm{GSp}(4)$* , Capital Normal University, Beijing, China (online) Nov. 14, 2020
- An equidistribution theorem for  $\mathrm{GSp}(4)$  by counting cuspidal automorphic representations*, University of Science and Technology of China, Hefei, Anhui, China (online) Nov. 12, 2020
- On counting automorphic representations and its connection to an equidistribution theorem for  $\mathrm{GSp}(4)$* , Algebra Seminar, University of North Texas, Denton, TX, USA (online) Oct. 23, 2020
- An equidistribution theorem for cuspidal automorphic representations for  $\mathrm{GSp}(4)$* , Oct. 22, 2020  
Shandong University, Jinan, Shandong, China (online)
- A bridge between modular forms theory and representation theory*, Apr. 16, 2019  
Cameron University Math Seminar Series, Cameron University, Lawton, OK, USA
- Klingen  $\mathfrak{p}^2$  vectors for  $\mathrm{GSp}(4)$* , Feb. 26, 2019  
Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC, USA
- Klingen  $\mathfrak{p}^2$  vectors for  $\mathrm{GSp}(4)$* , Feb. 13, 2019  
Lie Groups Seminar, Oklahoma State University, Stillwater, OK, USA

<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

POSTER SESSIONS	<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>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> , <a href="#">Number Theory Seminar</a> (online)	Dec. 28, 2022
	<i>An Introduction to Modular Forms, Part I</i> , <a href="#">Number Theory Seminar</a> (online)	Dec. 21, 2022
<b>University of South Carolina:</b>		
	<i>Eisenstein series from an adelic point of view</i> , <a href="#">Algebra, Geometry, and Number Theory Seminar</a> (online)	Apr. 15, 2022
	<i>On dimensions of the spaces of Siegel modular forms</i> , <a href="#">Algebra, Geometry, and Number Theory Seminar</a> (hybrid)	Oct. 29, 2021
	<i>On counting cuspidal automorphic representations and an equidistribution theorem for <math>\mathrm{GSp}(4)</math></i> , <a href="#">Algebra, Geometry, and Number Theory Seminar</a> (online)	Oct. 30, 2020
	<i>Klingen vectors of level 2 for <math>\mathrm{GSp}(4)</math></i> , <a href="#">Number Theory Seminar</a>	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 The Manuscripta Mathematica (MAMA)	Apr. 2023 - present
Reviewer for The Acta Arithmetica (AA)	Nov. 2023 - present
Reviewer for The Research in Number Theory (RNTB)	Mar. 2024 - present
Reviewer for International Journal of Number Theory (IJNT)	June 2024 - present
Reviewer for a paper in an edited book (Springer), Mathematics (number theory)	May 2022
A session chair @ WCNT 2021: Problems in Number Theory (online)	Dec. 16-19, 2021
A session chair @ Workshop on Representations of Lie Groups and Automorphic Forms	May 26-28, 2023
A session chair @ Workshop on Langlands Program and Representation Theory	Nov. 3-6, 2023
Organizer @ <a href="#">Workshop on Number Theory and Representation Theory</a>	Dec 8-11, 2023

**School of Mathematical Sciences (Xiamen University):**[Seminar](#)

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 - 2018AWARDS,  
HONORS

National Natural Science Foundation of China (Participated)      2025-2028

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      2012 - 2019

–*Math. Department, University of Oklahoma*

Outstanding Student Scholarship      2010

–*Awarded annually to undergraduate students, Math. Department, USTC*

## MEMBERSHIPS

American Mathematical Society (AMS)      Aug. 2012 - present

Chinese Mathematical Society (CMS)      Nov. 2022 - present

CONFERENCES, [Workshop on Number Theory](#) (Organizer)WORKSHOPS *Xiamen University, Xiamen, Fujian, China*      Dec 6 - 9, 2024

## ATTENDED

( \*: ONLINE) 2024 Summer Conference on Number Theory      Aug. 26-30, 2024

*Wuhan University, Wuhan, Hubei, China*

2024 Chen Jing-Run Prize Conference

*Morningside Center of Mathematics, Chinese Academy of Sciences, Beijing, China*      July 29-31, 2024

Workshop on Representation Theory of Lie Groups and Related Topics

*Xiamen University, Xiamen, Fujian, China*      July 18-21, 2024

Working Seminar on Analytic Number Theory II

*Lanzhou University, Lanzhou, Gansu, China*      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* Automorphic Forms in Budapest 2020	June 1-5, 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="#">Lecture on Cyclotomic Fields and Iwasawa Theory</a>	Sept. 18-Dec. 4, 2024
	Instructors: Preda Mihailescu, Gottingen University	
	<a href="#">Core topics in modern number theory. I'</a>	Dec. 1, 2022-Apr. 20, 2023
	Instructors: Ivan Fesenko, The University of Warwick	
	Trimester Program on <a href="#">Harmonic Analysis and Analytic Number Theory</a>	May 3-Aug. 20, 2021
	Organizers: Valentin Blomer, Farrell Brumley, Philip Gressman, Marina Iliopoulou, Lillian B. Pierce	
	<a href="#">Spring School towards a mod <math>p</math> Langlands correspondence</a>	Apr. 26-30, 2021
	Instructors: Christophe Breuil, Florian Herzig, Yongquan Hu, Stefano Morra, Benjamin Schraen	
	<a href="#">Fourier methods in combinatorial number theory</a>	Nov. 4-Dec. 9, 2020
	Instructor: Sean Prendiville, Lancaster University	
	<a href="#">AGITTOC 2020: Algebraic Geometry in the Time of COVID</a>	
	<a href="#">Math 216: Foundations of Algebraic Geometry</a>	June 27-Sept. 12, 2020
	Instructor: Ravi Vakil, Stanford University	
	<a href="#">Tianyuan Mathematical Center in Southeast China (TMSE) Minicourse</a>	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)	
	<a href="#">Torsion subgroups of modular Jacobian varieties over abelian fields</a>	July 20-31, 2020
	Instructor: Yuan Ren, Sichuan Normal University (@ USTC)	
	<a href="#">Distribution of prime numbers</a>	May 1-3, 2020
	Instructor: Jie Wu, Université Paris-Est Créteil (@ Soochow University)	
TRAININGS	<b>Xiamen University:</b>	
	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
	<b>University of South Carolina:</b>	
	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
	<i>-Certificate obtained by participating in six or more NFA sessions scheduled during the year</i>	
	Online short course: Technology for Online Teaching and Learning	Oct. 29-Dec. 9, 2019
	<i>-Certificate obtained by completing the 6-week online course on integrating technology for online course delivery to transform learning environments</i>	
	2019 Oktoberbest: A Celebration of Teaching	Oct. 18, 2019
	<i>-One-day symposium focused on sharing best practices in teaching.</i>	
	<b>University of Oklahoma:</b>	
	Endorsement in Preparation for Teaching Undergraduate Mathematics	2019
	<i>-Certificate obtained by completing 6 credit hours of course work in undergraduate mathematics education and teaching atleast one class as the instructor of record</i>	

	Academic Writing for Multilingual Graduate Students –Course certificate obtained by enrolling in a two weeks graduate course	Winter 2019
	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	School of Mathematics and Statistics, Yunnan University	Jan. 12 - 25, 2025
	School of Mathematical Sciences, Nankai University	Aug. 1 - 10, 2024
	School of Mathematical Sciences, Ocean University of China	July 25 - 28, 2024
	Shenzhen MSU-BIT University	July 12 - 14, 2024
	College of Mathematics, Sichuan University	May 17, 2024
	Institute of Mathematical Sciences, ShanghaiTech University	Apr. 10 - 12, 2024
	School of Mathematical Sciences, University of Science and Technology of China	Dec. 20 - 21, 2023
	School of Mathematics and Statistics, Shaanxi Normal University	Aug. 23 - 30, 2023
	School of Mathematical Sciences, Nankai University	July 5 - 9, 2023
	The Division of Physics, Mathematics and Astronomy, Caltech	June 1 - 9, 2019
	Department of Computing and Mathematical Sciences, Cameron University	Apr. 16, 2019
	School of Mathematical and Statistical Sciences, Clemson University	Feb. 26-27, 2019
	Department of Mathematics, Oklahoma State University	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)	