

| | | |
|-----------------------------|---|---|
| CONTACT INFORMATION | School of Mathematical Sciences | Email: yishaoyun926@xmu.edu.cn |
| | Xiamen University No. 422, Siming South Road Xiamen, Fujian, China 361005 | 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 . | May 2014 - May 2019 |
| | M.A., Mathematics. | 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 , ORCID , MathSciNet , Google Scholar , ResearchGate | |
| PUBLICATIONS & PREPRINTS | 1. On Erdős covering systems in global function fields (with Huixi Li, Biao Wang and Chunlin Wang). <i>Submitted</i> , 2024. [arXiv]. | |
| | 2. Some remarks on strong multiplicity one for paramodular forms (with Xiyuan Wang, Zhining Wei and Pan Yan). <i>Submitted</i> , 2023. [arXiv]. | |
| | 3. On the Covering Systems of Polynomial Rings over Finite Fields (with Huixi Li, Biao Wang and Chunlin Wang). <i>To appear in Proceedings of the American Mathematical Society</i> , 2024. [arXiv]. | |
| | 4. On the minimum modulus problem in number fields (with Huixi Li and Biao Wang). <i>Submitted</i> , 2023. [arXiv]. | |
| | 5. On distinguishing Siegel cusp forms of degree two (with Zhining Wei). <i>Submitted</i> , 2022. [arXiv]. | |
| | 6. 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). <i>Mathematika</i> 69 (2023), no. 3, 795-840. [arXiv , DOI]. | |
| | 7. Generalizations of the Erdős-Kac Theorem and the Prime Number Theorem (with Biao Wang, Zhining Wei and Pan Yan). <i>Published online in Communications in Mathematics and Statistics</i> , 2023. [arXiv , DOI]. | |
| | 8. Classical and adelic Eisenstein series (with Manami Roy and Ralf Schmidt). <i>To appear in Rocky Mountain Journal of Mathematics</i> , 2024. [arXiv]. | |

9. **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](#)].
10. **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](#)].
11. **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](#)].
12. **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](#)].
13. **Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$.**
The Ramanujan Journal 54 (2021), no. 3, 511-554. [[SharedIt link](#), [DOI](#)].
14. **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

| | |
|---|-------------|
| 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 |
|--|-------------|

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

Strong multiplicity one and applications to Siegel modular forms,
 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),

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

- 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*,
Nankai University, Tianjin, China (online) Dec. 10, 2021
- Dimension formulas for spaces of Siegel modular forms of Klingen level 4*,
Sun Yat-sen University (Zhuhai), Zhuhai, Guangdong, China (online) Dec. 6, 2021
- Siegel modular forms of degree 2 and Klingen level 4* (online),
Morningside Seminar on Number Theory, Morningside Center of Mathematics, Beijing, China Nov. 17, 2021
- Siegel modular forms of degree 2 and Klingen level 4*,
University of Science and Technology of China, Hefei, Anhui, China (online) Nov. 2, 2021
- An equidistribution theorem for cuspidal automorphic representations of $\mathrm{GSp}(4)$* ,
Sichuan University, Chengdu, Sichuan, China (online) Jan. 29, 2021
- 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 $\mathrm{GSp}(4)$* ,
Shandong University, Jinan, Shandong, China (online) Oct. 22, 2020
- A bridge between modular forms theory and representation theory*,
Cameron University Math Seminar Series, Cameron University, Lawton, OK, USA Apr. 16, 2019
- Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$* ,
Algebraic Geometry and Number Theory Seminar, Clemson University, Clemson, SC, USA Feb. 26, 2019
- Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$* ,
Lie Groups Seminar, Oklahoma State University, Stillwater, OK, USA Feb. 13, 2019
- CONTRIBUTED TALKS
- An Introduction to Modular Forms*
Analytic Number Theory Seminar, School of Mathematical Sciences, Nankai University (online) Dec. 15, 2022
- Classical and adelic Eisenstein series of weight 2*
34th Automorphic Forms Workshop, Brigham Young University (online) Mar. 19, 2022
- On certain Siegel modular forms of level 4*
2022 Southern Regional Number Theory Conference, Louisiana State University (online) Mar. 13, 2022
- On dimension formulas of Siegel modular forms of level 4*
WCNT 2021: Problems in Number Theory (online) Dec. 17, 2021
- Siegel modular forms of level 4*
PALmetto Joint Arithmetic, Modularity, and Analysis Series III (online) Sept. 26, 2021
- Dimension formulas of Siegel cusp forms for certain congruence subgroups*
Women in automorphic forms, Bielefeld University (online) Sept. 21, 2021

| | |
|---|----------------|
| <i>On counting cuspidal automorphic representations of $\mathrm{GSp}(4)$</i> New Developments in Number Theory (online) | June 1, 2021 |
| <i>On counting cuspidal automorphic representations of $\mathrm{GSp}(4)$</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 $\mathrm{GSp}(4)$</i> Front Range Number Theory Day (online) | Sept. 26, 2020 |
| <i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$</i> Ninth Annual Upstate Number Theory Conference, Cornell University | Apr. 28, 2019 |
| <i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$</i> TORA X, University of North Texas | Apr. 6, 2019 |
| <i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$</i> 33rd Automorphic Forms Workshop, Duquesne University | Mar. 10, 2019 |
| <i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$</i> Graduate Algebra Symposium, University of Oklahoma | Mar. 2, 2019 |
| <i>Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4, F)$</i> PANTS XXXI, University of South Carolina | Dec. 8, 2018 |
| <i>$\mathrm{Kl}(\mathfrak{p}^2)$ vectors for $\mathrm{GSp}(4, F)$</i> TORA IX, University of Oklahoma | Apr. 7, 2018 |
| <i>Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$-invariant vectors for $\mathrm{GSp}(4, F)$</i> 31st Automorphic Forms Workshop, East Tennessee State University | Mar. 8, 2017 |
| <i>Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$-invariant vectors for irreducible non-supercuspidal representations of $\mathrm{GSp}(4, F)$</i> Graduate Algebra Symposium, University of North Texas | Nov. 5, 2016 |
| <i>Dimensions of $\mathrm{Kl}(\mathfrak{p}^2)$-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4, F)$</i> TORA VII, University of North Texas | Apr. 10, 2016 |
| <i>Dimensions of Parahori-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4)$</i> Graduate Algebra Symposium, University of Oklahoma | Mar. 5, 2016 |
| <i>Dimensions of spaces of Parahori-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4)$</i> TORAS I, University of Oklahoma | Mar. 28, 2015 |

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

DEPARTMENTAL Xiamen University

| | | |
|---------------|---|---------------|
| SEMINAR TALKS | <i>Introduction to Sarnak's conjecture, II</i> (general paper reading talk), Dynamical System and Number Theory Seminar (online) | Mar. 21, 2024 |
| | <i>Introduction to Sarnak's conjecture, I</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), Nov. 10, 2023
[Dynamical System and Number Theory Seminar](#)

An Introduction to Modular Forms, Part II, Dec. 28, 2022
 Number Theory Seminar (online)

An Introduction to Modular Forms, Part I, Dec. 21, 2022
 Number Theory Seminar (online)

University of South Carolina:

Eisenstein series from an adelic point of view, Apr. 15, 2022
 Algebra, Geometry, and Number Theory Seminar (online)

On dimensions of the spaces of Siegel modular forms, Oct. 29, 2021
 Algebra, Geometry, and Number Theory Seminar (hybrid)

On counting cuspidal automorphic representations and an equidistribution theorem for $\mathrm{GSp}(4)$, Oct. 30, 2020
 Algebra, Geometry, and Number Theory Seminar (online)

Klingen vectors of level 2 for $\mathrm{GSp}(4)$, Oct. 31, 2019
 Number Theory Seminar

University of Oklahoma:

Klingen \mathfrak{p}^2 vectors for $\mathrm{GSp}(4)$, Nov. 30, 2018
 Algebra and Representation Theory Seminar

$\mathrm{Kl}(\mathfrak{p}^2)$ vectors for $\mathrm{GSp}(4, F)$, Aug. 24, 2018
 Algebra and Representation Theory Seminar

An Introduction to $\mathrm{GSp}(4)$, Mar. 26, 2018
 Student Algebra Seminar

An Introduction to Modular Form, Oct. 26, 2017
 Student Algebra Seminar

Induced modules, Apr. 7, 2017
 Student Algebra Seminar

An introduction to Saito–Kurokawa Lifting, Sept. 26, 2016
 Student Algebra Seminar

Automorphic representations, Apr. 26, 2016
 Student Algebra Seminar

Representations of Weil Groups, Feb. 11, 2016
 Student Algebra Seminar

Weil Groups and Representations, Feb. 4, 2016
 Student Algebra Seminar

Projective varieties, Dec. 3, 2015
 Student Algebra Seminar

Affine varieties and Algebraic varieties, Oct. 22, 2015
 Student Algebra Seminar

Automorphisms and derivations of Lie algebras, May 1, 2015
 Student Algebra Seminar

Dimensions of spaces of Parahori-invariant vectors for Iwahori-spherical representations of $\mathrm{GSp}(4)$, Apr. 3, 2015
 Algebra and Representation Theory Seminar

Haar measure, Sept. 17, 2014
 Student Algebra Seminar

Haar measure, convolution, and characters of admissible representations, Part 2, Apr. 24, 2014
 Student Algebra Seminar

Haar measure, convolution, and characters of admissible representations, Apr. 17, 2014
 Student Algebra Seminar

| | | |
|---------------------|--|-------------------------|
| | <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 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 @ Workshop on Number Theory and Representation Theory | Dec 8-11, 2023 |
| | School of Mathematical Sciences (Xiamen University): | |
| | Seminar | 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 | 2024-2026 |
| | Fundamental Research Funds for the Central Universities | 2023-2025 |
| | John Clark Brixey Graduate Scholarship | 2016 |
| | – <i>Awarded annually to PhD Students, Math. Department, OU</i> | |
| | Teaching Assistantship | 2012-2019 |
| | – <i>Math. Department, University of Oklahoma</i> | |

| | | |
|--------------|---|----------------------|
| MEMBERSHIPS | American Mathematical Society (AMS) | |
| | Chinese Mathematical Society (CMS) | |
| CONFERENCES, | Southeast Workshop on Algebraic Geometry | |
| WORKSHOPS | <i>Xiamen University, Xiamen, Fujian, China</i> | Mar. 29-Apr. 1, 2024 |
| ATTENDED | 2024 Workshop on Number Theory and Applications | |
| (*: ONLINE) | <i>Southeast University & Minnan Normal University, Nanjing, Jiangsu, China</i> | Mar. 8-11, 2024 |
| | Working Seminar on Analytic Number Theory | |
| | <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* <i>Automorphic Forms in Budapest 2020</i> | 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 [Core topics in modern number theory. I'](#) Dec. 1, 2022 - Apr. 20, 2023
 ONLINE 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 evolvment 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:**

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 |
| <i>–Course certificate obtained by enrolling in a two weeks graduate course</i> | |
| The International Instructor Training Course | Fall 2018 |
| <i>–Course certificate obtained by enrolling in a semester graduate course</i> | |
| The ETCS English Fast Track Course | Summer 2018 |
| <i>–Course certificate obtained by enrolling in a two weeks graduate course</i> | |
| Development for International Teaching Assistant Training | 2012 |
| <i>–Mandatory teacher training program for international students</i> | |

| | | |
|--------------------------|--|------------------|
| INVITED VISITS | 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 |
| UNDERGRAD SUMMER CAMP | Chinese Academy of Sciences (CAS), Beijing, China | Summer, 2011 |
| COMPUTER SKILLS | \LaTeX , Mathematica, HTML, CoCalc, SAGE, Magma | |
| LANGUAGES | Chinese (native), English (fluent) | |