Zhixiang Wu

Curriculum Vitae

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Education

2019–2022	**Phd in mathematics,** Thesis advisor: Benjamin Schraen, Université Paris-Saclay, Orsay.
2018–2019	**Master(M2) in Arithmétique, Analyse, Géométrie,** Université Paris-Sud, Orsay.
2014–2018	**Bachelor of Science in Pure and Applied Mathematics,** Tsinghua University, Beijing.

Positions

2022–now	**Postdoc,** Mentor: Eugen Hellmann, Westfälische Wilhelms-Universität Münster, Münster.

Papers

Publications

1. A note on presentations of supersingular representations of $\mathrm{GL}_2(F)$. manuscripta math. 165, 583-596 (2021).
2. Companion points on the eigenvariety with non-regular weights. International Mathematics Research Notices, 2023(9):8008–8032, 2023.

Preprints

3. Local models for the trianguline variety and partially classical families. accepted in Annales scientifiques de l'École normale supérieure.
4. Geometric translations of (φ, Γ)-modules for $\mathrm{GL}_2(\mathbb{Q}_p)$.

Talks

25/05/2023	*p*-adic day, Beijing
09/04/2023	Mittagsseminar zur Arithmetik, Münster
08/2023	Mini-course on categorical *p*-adic Langlands program, Beijing
17/08/2023	Mini-conference on *p*-adic Langlands program, Beijing
31/01/2023	Mittagsseminar zur Arithmetik, Münster
15/02/2022	Algebra Number theory seminar at University of Arizona, online
14/12/2021	Journées Arithmétique du LAGA, Villetaneuse
01/06/2021	Séminaire Arithmétique et Géométrie Algébrique, Orsay
19/04/2021	UCLA Number Theory Seminar, online.
13/04/2021	University of Münster, online.
07/04/2021	POINTS - Peking Online International Number Theory Seminar, online.
23/11/2020	Paris-London Number Theory Seminar, online.
30/11/2019	Séminaire MathJeunes, Jussieu, Paris.

Teaching

Aut. 2023	Exercise session of Algebraic Geometry I, Münster
Spring. 2023	Exercise session of Smooth Representations of p-adic Groups, Münster
Aut. 2021	TD of Math 1: Calculus, Université Paris-Saclay, Orsay

Services

Reviewer	zbMATH, MathSciNet
Referee	manuscripta mathematica, Peking Mathematical Journal, Indagationes Mathematicae, Astérisque, Journal of Number Theory
2020-2022	Co-organizer of Mathjeunes seminar

Experience

08/2023	Visiting researcher, Peking university, Beijing
05/2023	Trimester Program: The Arithmetic of the Langlands Program, Hausdorff Research Institute for Mathematics, Bonn
Spr. 2018	Exchange program of Ecole Normale Superieure, Ecole Normale Superieure, Paris. Undergraduate thesis supervisor: Jean-François Dat
2018-2019	Master scholarship of The Mathematics Foundation Jacques Hadamard (FMJH)
08/2017	S.T.Yau college student mathematics contests, Silver Prize in Algebra and Number Theory.
2015-2018	Tsinghua Xue Tang Ban Program in Mathematics.

Skills & Languages

Skills	C/C++, Matlab, Mathematica, SageMath, Macaulay2, LaTeX
Languages	Chinese, English, French(basic)