Zheng Liu

Contact Information

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Research Interest

Number theory, p-adic properties of automorphic forms and special L-values, Iwasawa theory

Employment

2018-	Postdoctoral fellow, McGill University, Montréal
2017-2018	Member, Institute for Advanced Study, Princeton
2016-2017	Postdoctoral fellow, McGill University, Montréal

Education

2011-2016	Ph.D. in Mathematics, Columbia University, New York
	Advisor: Eric Urban
2007-2011	B.S. in Mathematics, Tsinghua University, Beijing

Papers

- The doubling Archimedean zeta integrals for p-adic interpolation, *submitted*

- Ordinary families of Klingen Eisenstein series on symplectic groups, *preprint*

- Non-cuspidal Hida theory for Siegel modular forms and trivial zeros of p-adic L-functions (with Giovanni Rosso), *submitted*

- p-adic L-functions for ordinary families on symplectic groups, *J. Inst. Math. Jussieu (2019), 1-61*

- Nearly overconvergent Siegel modular forms, *to appear in Ann. Inst. Fourier (Grenoble)*

Teaching Experience

Fall 2016	Calculus for Management, McGill University
Summer 2015	Calculus II, Columbia University
Summer 2014	College Algebra & Geometry, Columbia University

Invited Talks

July 2019	*p*-adic modular forms and Galois representations, The University of Sheffield
June 2019	Iwasawa 2019, University of Bordeaux
June 2019	Eisenstein ideal and Iwasaea theory, Morningside Center of Mathematics, Chinese Academy of Sciences
May 2019	*p*-adic Arithmetic of automorphic forms: conference in honor of J. Tilouine, Universities of Paris 13 and 6
Apr 2019	Algebra Seminar, University of Laval
Mar 2019	Special session on "Advances in Iwasawa Theory" at 2019 AMS meeting at the University of Hawaii
Dec 2018	Iwasawa theory and *p*-adic automorphic forms, Fudan University
Oct 2018	Number Theory Seminar, Johns Hopkins University
Oct 2018	Workshop on Special Values of Automorphic *L*-functions and Associated *p*-adic *L*-Functions, BIRS center in Oaxaca, Mexico
Apr 2018	Algebra Seminar, University of Connecticut
Nov 2017	Junior Number Theory Days, Rutgers University
Mar 2017	Algebra and Number Theory Seminar, The University of Arizona
Jan 2017	The Québec-Vermont Number Theory Seminar, McGill University
Oct 2016	Québec-Maine Number Theory Conference, Université Laval
Mar 2015	Research Seminar In Number Theory, Columbia University