

Siyan Daniel Li-Huerta

PERSONAL INFORMATION	<i>Website:</i> https://math.mit.edu/~sdlh/ <i>Email:</i> sdlh@mit.edu	<i>Citizenship:</i> United States <i>Languages:</i> English, Chinese
INTERESTS	Arithmetic geometry, number theory, and representation theory	
POSITIONS	Max Planck Institute for Mathematics, <i>Postdoctoral Fellow</i>	September 2024 to August 2025
	Massachusetts Institute of Technology, <i>NSF Postdoctoral Fellow</i>	September 2023–
EDUCATION	Harvard University, <i>Doctor of Philosophy, Mathematics</i> Advisor: Mark Kisin	September 2018 to May 2023
	University of Chicago,	September 2017 to May 2018
	Princeton University, <i>Bachelor of Arts, Mathematics (magna cum laude)</i> Senior thesis advisor: Sophie Morel	September 2013 to June 2017
PUBLICATIONS AND PREPRINTS	Dihedral long root A-packets for G_2: the dihedral case. (with P. Bakić, A. Horawa, and N. Sweeting)	
	Local-global compatibility over function fields. https://arxiv.org/abs/2301.09711	
	The plectic conjecture over local fields. https://arxiv.org/abs/2208.09962	
	The plectic conjecture over function fields. https://arxiv.org/abs/2106.05382	
	The local Langlands correspondence for GL_n over function fields. <i>Algebra Number Theory</i> . Vol. 16 (2022), No. 9, 2119–2214	
INVITED TALKS	Séminaire Groupes Réductifs et Formes Automorphes (IMJ–PRG)	June 2023
	Trimester Seminar Series (HIM)	June 2023
	Number Theory Seminar (Johns Hopkins)	April 2023
	Lie Groups and Representation Theory Seminar (University of Maryland)	April 2023
	Number Theory Seminar (MIT)	April 2023
	Upstate New York Number Theory Conference (University of Rochester)	April 2023
	Number Theory Seminar (Boston University)	March 2023
	Number Theory/Representation Theory Seminar (Boston College)	January 2023
	Number Theory Seminar (Northwestern)	October 2022
	Number Theory Seminar (UChicago)	October 2022
	Number Theory Seminar (Harvard)	October 2022
	Number Theory Seminar (Tsinghua)	September 2022
	Automorphic Forms and Arithmetic Seminar (Columbia)	September 2022

	Recent Advances in Modern p -Adic Geometry	March 2022
	Number Theory/Representation Theory Seminar (UW-Madison)	January 2022
	Number Theory Seminar (Harvard)	October 2021
	Number Theory Seminar (Duke)	August 2021
AWARDS	NSF Mathematical Sciences Postdoctoral Research Fellowship	2023–
	Certificate of Distinction in Teaching ($\times 2$) (Harvard)	2021, 2023
	Eckhardt Graduate Scholarship (UChicago)	2017
	Middleton Miller Prize (Princeton)	2017
	Andrew H. Brown Prize (Princeton)	2016
TEACHING	At MIT:	
	• Independent Study in Mathematics (18.099)	Spring 2024
	At Harvard:	
	• Vector Calculus and Linear Algebra II (Math 22b)	Spring 2023
	• Introduction to Calculus (Math 1a)	Fall 2021
	• Fourier Analysis on Number Fields (Math 99r) (materials available at https://math.mit.edu/~sdlh/math99r_f20/)	Fall 2020
	• Calculus, Series, and Differential Equations (Math 1b)	Fall 2019
SERVICE	Number Theory Seminar at MIT , co-organizer	Spring 2024
	Reading courses at MIT:	
	• Eunsu Hur, p -adic geometry	Spring 2024
	• Eunsu Hur, Galois representations and the Langlands–Kottwitz method	Fall 2023
	Community Committee at Harvard , grad student representative	Spring 2023
	Number Theory Seminar at Harvard , co-organizer	Fall 2022 to Spring 2023
	Internal Number Theorists Seminar at Harvard , organizer	Fall 2022
	Directed Reading Program at Harvard , mentor:	
	• Beverly Fu and AnaMaria Perez, p -adic numbers	Spring 2022
	• Kenz Kallal, Galois representations and modular forms	Spring 2021
	• Adam Adams, representations of p -adic groups	Spring 2020
	• Zihong Peter Chen, étale cohomology	Spring 2019
	Trivial Notions Seminar at Harvard , organizer	Spring 2019
	Mentoring Möbius at Princeton , founder and organizer	Fall 2014 to Spring 2016
	Refereeing: J. Inst. Math. Jussieu, J. Algebra, Q. J. Math.	