

Stanford/AIM Number Theory Seminar, 2012-2013

Fridays, 12pm, 383N

Fall

September 28	Tamar Ziegler (Technion/Stanford)	Additive problems for primes
October 5	Samit Dasgupta (UCSC/Stanford)	Factorization of p-adic Rankin L-series
October 12	David Roberts (U. Minnesota)	Rigid covers of $M_{0,5}$
October 19	Mitya Boyarchenko (U. Mich.)	New geometric structures in the local Langlands program
October 26 (NT/AG double header!)	Jacob Tsimerman (Harvard) @ 12; Sam Payne (Yale) @ 2:30.	Special divisors on hyperelliptic curves and equidistribution (Tsimerman), Tropicalization of the moduli space of curves (Payne)
November 2	Ken Ono (Emory) @ 12; Sug Woo Shin (MIT) @ 2:30	q-hypergeometric functions and quantum modular forms ; Supercuspidal part of the mod l cohomology of some Shimura varieties.
November 9 (joint with AG)	Bhargav Bhatt(UM/IAS)@2:30	p-adic derived deRham cohomology
November 10 (Saturday)	Bay Area Algebraic Number Theory Day (UCSC)	
November 16	Maks Radziwill (Stanford)	Zeros of zeta, of zeta', and of Siegel
November 23	no seminar (Thanksgiving)	
November 30	Keerthi Madapusi Pera (Harvard)	The Tate conjecture for K3 surfaces in odd characteristic
December 6	Christelle Vincent (Stanford)	Weierstrass points on certain Drinfeld modular curves

Winter

January 11	Vinayak Vatsal (UBC)	Converse theorem for SL_2
January 18	Kai-Wen Lan (UMinn)	Galois representations for regular algebraic automorphic representations over CM fields
Jan 25	Zhiyuan Li (Stanford)	Rational points on K3 surfaces over function fields of curves
Feb 1	Philippe Michel (EPFL)	Analytic properties of trace weights
Feb 8	Kristen Lauter (Microsoft)	On singular moduli for arbitrary discriminants
Feb 15	Paul Nelson (EPFL)	Difficulty-destroying period formulas and powerful level newforms
Feb 22	Kartik Prasanna (UMich)	p-adic L-functions and the coniveau filtration on Chow groups
March 1	Dan Boneh (Stanford)	Straight-line complexity, factoring, and the ABC Conjecture
March 8	Ian Petrow (Stanford)	Breaking the involutivity of a trace formula
March 15	Mike Lipnowski (Stanford)	Asymptotic growth of torsion cohomology for arithmetic groups

Spring

April 5	Vincent Emery (Stanford)	Torsion homology of arithmetic lattices and K_2 of imaginary fields
April 6 (Saturday!)	Bay Area Algebraic Number Theory and Arithmetic Geometry Day (at Berkeley)	Click here for speaker schedule
April 12	Ana Caraiani (U. Chicago)	Local-global compatibility and the Ramanujan-Petersson conjecture
April 19	Yiannis Sakellaridis (Rutgers)	Standard and nonstandard comparisons of relative trace formulas
April 26	Rob Rhoades (Stanford)	The number of partitions without k-sequences
May 3	No meeting this week	
May 10	Xinyi Yuan (Berkeley)	Hodge index theorem for adelic line bundles
May 17	Andrew Obus (Columbia Univ.)	The Oort conjecture and the local lifting problem
May 24	Jared Weinstein (Boston Univ.)	p-divisible groups over $\mathbb{O}_{\{C, p\}}$
May 31	Adam Harper (Univ. Montreal)	The typical maximum size of the Riemann zeta function
June 6 (Thursday! 1--2pm in 383N)	Dustin Clausen (MIT)	Using homotopy theory to produce Artin maps

* = to be confirmed.

Organizers: Daniel Bump, Brian Conrad, Brian Conrey, Kannan Soundararajan, Akshay Venkatesh.

[Last year's seminar.](#)

For out-of-town seminar speakers: The San Francisco (SFO) and San Jose (SJC) airports are both located nearby. We recommend you reserve a ride with [Super Shuttle](#) or similar company instead of using a taxi from the airport. (Super Shuttle is around \$25+tip in comparison with \$100+ for taxi.) We generally arrange for our speakers to stay at either the [Cardinal Hotel](#) or [Hotel California](#). Safe Travels.

