

**2016 Conférence de théorie des nombres
Québec-Maine
Number Theory Conference
Université Laval, 8-9 octobre**

Samedi avant-midi/Saturday AM

Local/Room	Vachon-3830	Vachon-3860	Vachon-3840
8h30-8h40		<i>André Darveau, doyen Bienvenue</i>	
8h40-9h20		Joseph Oesterlé	
		<i>Dérivées itérées des fonctions zêtas multiples aux points entiers</i>	
9h30-9h50	Dohyeong Kim	Richard Foote	Damien Roy
	<i>Arithmetic Chern-Simons theory</i>	<i>Maximal Totally Isotropic Subspaces in Orthogonal Direct Sums over F_2</i>	<i>On the topology of Diophantine approximation Spectra</i>
10h00-10h20	Zheng Liu	David Dummit	Benjamin Weiss
	<i>p-adic L-functions for ordinary families on symplectic groups</i>	<i>Signature Ranks of Units in Algebraic Number Fields</i>	<i>Finiteness of Class Group and Capitulation Kernels</i>
10h20-10h40	<i>Pause/Break</i>		
10h40-11h00	Evan Dummit	Luca Candelori	David Burt
	<i>Characterizations of Quadratic, Cubic, and Quartic Residue Matrices</i>	<i>Generating weights for modules of vector-valued modular forms</i>	<i>Moments for L-functions Associated to Newforms of Squarefree Level</i>
11h10-11h30	Hershy Kisilevsky	Natalia Garcia-Fritz	Yuanqing Cai
	<i>Decomposition Configuration Types in Minimally Tamely Ramified Extensions of \mathbb{Q}</i>	<i>Symmetric differentials and some applications in the arithmetic of function fields</i>	<i>Fourier coefficients of theta functions on metaplectic groups</i>
11h40-12h00	Maciej Zakarczemny	Florian Sprung	Patrick Letendre
	<i>Number of solutions in a box of a linear equation in an Abelian group</i>	<i>The Iwasawa main conjecture for elliptic curves and related issues</i>	<i>Lattice points close to a three-dimensional smooth curve</i>
12h10-12h30	Patrick Lank	Jeffrey Hatley	Vincent Ouellet
	<i>Diophantine Analysis from Arithmetic Combinatorics</i>	<i>Rank parity for congruent supersingular elliptic curves</i>	<i>On the Middle Prime Factor of an Integer</i>
12h30-14h00	<i>Dîner/Lunch - Pavillon Alphonse-Desjardins</i>		

Samedi après-midi/Saturday PM

Local/Room	Vachon-3830	Vachon-3860	Vachon-3840
		Laurent Lafforgue	

14h15-15h05		<i>Le principe de fonctorialité de Langlands comme problème de généralisation de la loi d'addition</i>	
15h20-15h50	Jonathan Sands	Eyal Goren	Steven Miller
	<i>Quotients of zeta functions for quaternion algebras</i>	<i>p-adic dynamics of Hecke operators</i>	<i>Extending agreement in the Katz-Sarnak Density Conjecture</i>
16h00-16h20	David Krumm	Nathan Grieve	Mayank Pandey
	<i>Explicit Hilbert Irreducibility</i>	<i>Approximating rational points of varieties over function fields</i>	<i>On Eisenstein Primes</i>
16h20-16h40	<i>Pause/Break</i>		
16h40-17h00	Hector Pasten	Nicolas Simard	Giovanni Coppola
	<i>An L-function approach to Hilbert's tenth problem for rings of integers</i>	<i>Petersson Inner Product of Binary Theta Series</i>	<i>Finite Ramanujan expansions and shifted convolution sums</i>
17h10-17h30	Abdelmalek Azizi	Paul Garrett	Edgar Costa
	<i>On the principalisation of the splitting field of some polynomials</i>		<i>Rigorous computation of the endomorphism algebra of a Jacobian</i>
17h40-18h00	Thomas Hulse	<i>Self-adjoint operators on spaces of automorphic forms</i>	Brandon Alberts
	<i>Shifted Sums and Lattice Points in Spheres</i>		<i>Cohen-Lenstra Moments for Some Nonabelian Groups</i>
19h30	<i>Banquet - Restaurant Grigio (2828 Boulevard Laurier G1V 0B9, en face de l'Hôtel Classique)</i>		
Dimanche/Sunday			
Local/Room	Vachon-3830	Vachon-3860	Vachon-3840
8h40-9h10	Ernst Kani	Ehud de Shalit	John Voight
	<i>Intersections of Humbert surfaces and binary quadratic forms</i>	<i>Integral structures in p-adic representations of the Heisenberg group, and q-binomial identities</i>	<i>Explicit modularity in genus 2</i>
9h20-9h40	David Bradley	Andrea Conti	Daniel Fiorilli
	<i>Fractal Subsets of Pascal's Triangle Defined by Congruence Classes with Square-Free Modulus</i>	<i>Big Galois image for p-adic families of finite slope Siegel modular forms</i>	<i>The variance of primes in arithmetic progressions</i>
9h50-10h10	David Lowry-Duda	Henri Darmon	Daniel Le
	<i>On Iterated Average Orders of Cusp Forms, and Related Topics</i>	<i>A Birch and Swinnerton-Dyer conjecture for irregular modular forms of weight one</i>	<i>The weight part of Serre's conjecture</i>
10h20-10h40	Radan Kucera	Bharathwaj Palvannan	Joseph Gunther
	<i>On special units in abelian number fields</i>	<i>On free resolutions of Iwasawa modules</i>	<i>Counting low-degree extensions of function fields</i>
10h40-11h00	<i>Pause/Break</i>		

11h00-11h20	Amanda Tucker	Patrick Milano	Solomon Friedberg
	<i>Statistics of the genus numbers of cubic fields</i>	<i>A cohomology theory for Arakelov divisors on number fields</i>	Descent and theta functions
11h30-11h50	Byungchul Cha	Jan Vonk	Robert Grizzard
	<i>A tree of Pythagorean triples and its generalization</i>	<i>Crystalline cohomology of towers of curves</i>	<i>Slicing the stars</i>
12h00-12h30		Fernando Gouvea	
		<i>The Mystery of the Extra Divisors</i>	
12h35-12h36		<i>Au revoir/Farewell</i>	