

Full JA2007 conference timetable

MONDAY

M	8:00am	Registration		Class Room 10, Alrick Building
M	9:30am			Opening remarks
M	09:35 - 10:35	S Yafaev	Andrei	The Andre-Oort conjecture
M	10:35 - 11:05			Coffee
M	11:05 - 12:05	S Rivat	Joel	On Gelfond's conjecture about the sum of digits of prime numbers
M	12:10 - 13:10	S de la Bretèche	Régis	Height zeta functions and rational points on algebraic varieties
M	13:20			Lunch KB house 2nd floor
M	15:00 - 15:20	A Languasco	A	On the sum of two primes and k powers of two
M	15:00 - 15:20	B Poehler	Sabine	Two additive quartic forms
M	15:00 - 15:20	C Gajda	Wojciech	On the image of Galois representations and the Hodge conjecture for abelian varieties
M	15:00 - 15:20	D Ustinov	Alexey	Asymptotics for the first and second moments of the number of steps in Euclidean algorithm
M	15:00 - 15:20	E Jean	Sandrine	Witt vectors over local fields of positive characteristic and conjugacy classes of finite cyclic subgroups in the Nottingham group
M	15:30 - 15:50	A Hilberdink	Titus	Well-behaved Beurling primes and integers
M	15:30 - 15:50	B Dietmann	Rainer	Simultaneous Diophantine approximation by square-free numbers
M	15:30 - 15:50	C Perucca	Antonella	The l-adic support problem for abelian varieties
M	15:30 - 15:50	D Gorkusha	Olga	Analogue of Heilbronn's theorem for the Minkowski's finite continued fractions.
M	15:30 - 15:50	E Validire	Romain	Galois descent for ℓ -adic wild kernels
M	16:00 - 16:20	A Martin	Greg	Inequities in the Shanks-Rényi prime number race
M	16:00 - 16:20	B Brüdern	Jörg	Pairs of cubic forms
M	16:00 - 16:20	C Hakkarainen	Tuomas	On the computation of the class numbers of real abelian fields
M	16:00 - 16:20	D Halupczok	Karin	On the ternary Goldbach problem with primes in arithmetic progressions of a common module
M	16:00 - 16:20	E Douai	Jean Claude	Sur la 2-Cohomologie non abelienne des modeles reguliers des anneaux locaux henseliens
M	16:20 - 17:00			Tea
M	17:00 - 17:20	A Zhao	Liangyi	On primes in quadratic progressions
M	17:00 - 17:20	B Mosaki	Elie	On large families of subsets of the set of the integers not exceeding N with strong pseudo-random properties.
M	17:00 - 17:20	C Baran	Burcu	A Modular Curve of Level 9 and The Class Number One Problem
M	17:00 - 17:20	D Loeffler	David	p-adic automorphic forms and eigenvarieties for compact reductive groups
M	17:00 - 17:20	E Beliaeva	Tatiana	Weil Numbers and Gauss sums
M	17:30 - 17:50	A Vinatier	Stéphane	Permuting the partitions of a prime
M	17:30 - 17:50	B Sandor	Csaba	A note on a conjecture of Erdos-Turán
M	17:30 - 17:50	C Kohel	David	Field of moduli and fields of definitions for genus 3 curves
M	17:30 - 17:50	D Berger	Tobias	Congruences between modular forms over imaginary quadratic fields
M	17:30 - 17:50	E Ziegler	Volker	The unit sum number problem for number fields

M	18:00 - 18:20	A Lovejoy	Jeremy	Rank differences for overpartitions
M	18:00 - 18:20	B Bhowmik	Gautami	On the Alon-Dubiner Constant
M	18:00 - 18:20	C Foucault	Francois	Hyperelliptic curves and the Kodaira-Spencer map
M	18:00 - 18:20	D Truelsen	Jimi Lee	Quantum Unique Ergodicity for Eisenstein Series on the Hilbert Modular Group over a Totally Real Field
M	18:00 - 18:20	E Borwein	Peter	Littlewood's 22nd problem

TUESDAY

T	09:00 - 10:00	S Kedlaya	Kiran	Some new directions in p-adic Hodge theory
T	10:10 - 11:10	S Bombieri	Enrico	Problems and results on the distribution of algebraic points on algebraic varieties
T	11:10 - 11:40			Coffee
T	11:40 - 12:40	S Pintz	János	Landau's problem on primes
T	12:50			Lunch
T	14:30 - 14:50	A Jones	Rafe	Arboreal Galois representations of abelian algebraic groups
T	14:30 - 14:50	B Kida	Masanari	Descent Kummer theory via Weil restriction of multiplicative groups
T	14:30 - 14:50	C Haessig	C Douglas	On the p-adic meromorphy of the function field height zeta function
T	14:30 - 14:50	D Hilmar	Jan	Polynomials with all roots in an interval and the transfinite diameters.
T	14:30 - 14:50	E Ballot	Christian	Prime factors of third order recurring sequences
T	15:00 - 15:20	A Dieulefait	Luis	Existence of families, base change of deformation rings and the first cases of Fontaine-Mazur's and Serre's conjectures
T	15:00 - 15:20	B Nathanson	Melvyn B	Heights on the projective line over a finite field
T	15:00 - 15:20	C Delsinne	Emmanuel	Height over abelian extensions
T	15:00 - 15:20	D Bérczes	Attila	On pairs of polynomials and binary forms with given resultant
T	15:00 - 15:20	E Streng	Marco	Divisibility Sequences for Elliptic Curves with Complex Multiplication
T	15:30 - 15:50	A Whitehouse	David	Applications of the relative trace formula to central L-values
T	15:30 - 15:50	B Gurak	Stan	Gauss sums for prime powers in p-adic fields
T	15:30 - 15:50	C Ivey-Law	Hamish	Bounding heights relative to a patchwork morphism
T	15:30 - 15:50	D Hare	Kevin	Patterns and Periodicity in a Family of Resultants
T	15:30 - 15:50	E Frisch	Sophie	Different kinds of polynomial parametrization
T	15:50 - 16:30			Tea
T	16:30 - 16:50	A Lauder	Alan	Ranks of elliptic curves over function fields
T	16:30 - 16:50	B Truman	Paul	Hopf Algebras In Galois Module Theory
T	16:30 - 16:50	C Hindry	Marc	An analog of the Brauer-Siegel Theorem for abelian varieties over function fields in characteristic p
T	16:30 - 16:50	D Sonn	Jack	Polynomials with roots in \mathbb{Q}_p for all p
T	16:30 - 16:50	E Diehl	Christina	On a Dirichlet series whose summatory function counts lattice points in a cone
T	17:00 - 17:20	A Bandini	Andrea	Control theorem and Main Conjecture for elliptic curves over function fields
T	17:00 - 17:20	B Elder	Griff	On wild ramification in nonabelian extensions
T	17:00 - 17:20	C Silverman	Joseph H	A local-global principle in arithmetic dynamics
T	17:00 - 17:20	D Drungilas	Paulius	Unimodular roots of reciprocal Littlewood polynomials
T	17:00 - 17:20	E Moshchevitin	Nikolai	Brocot sequences, Minkowski question function and multidimensional Farey-Brocot partitions

T	17:30 -17:50	A Miller	Carl	Etale cohomology on a characteristic-p curve
T	17:30 -17:50	B Bruce	Clement	Steinitz classes of nonabelian extensions of degree p^3
T	17:30 -17:50	C Pazuki	Fabien	A conjecture by S.Lang and J.Silverman.
T	17:30 -17:50	D Ferenc	Mátyás	On the zeros of polynomials defined by special linear recursions
T	17:30 -17:50	E Ferguson	Ron	Low autocorrelation problems

T 19:00 Public Lecture: Andrew Granville "Patterns in the primes" Appleton Tower Lecture Rm 5
T 20:00 Reception: Appleton Tower concourse

WEDNESDAY

W	8:45 - 9:05	A Dokchitser	Tim	Parity Conjecture for elliptic curves
W	8:45 - 9:05	B Klosin	Krzysztof	Congruences among automorphic forms on unitary groups and the Bloch-Kato conjecture
W	8:45 - 9:05	C Morales	Jorge	Isospectral Ternary Quadratic Forms over $F[T]$
W	8:45 - 9:05	D Hirabayashi	Mikihito	Determinant formula for the quotient of the relative class numbers of an imaginary abelian number field and its quadratic extension
W	8:45 - 9:05	E Kristensen	Simon	A Diophantine exponent for mildly restricted approximation
W	9:15 - 9:35	A Surroca	Andrea	Elliptic logarithms, diophantine approximation and the Birch and Swinnerton-Dyer conjecture
W	9:15 - 9:35	B Fukuda	Takashi	On the Iwasawa lambda-invariant of the cyclotomic \mathbb{Z}_2 -extension of $\mathbb{Q}(\sqrt{p})$
W	9:15 - 9:35	C Gallardo	Luis	Every strict sum of cubes in $F_4[t]$ is a strict sum of 6 cubes.
W	9:15 - 9:35	D Gica	Alexandru	Quadratic residues, lengths and class numbers.
W	9:15 - 9:35	E Pilehrood	K Hessami	A_p -ery-like recursion and continued fraction for $\pi \backslash \coth \pi$.
W	9:45 - 10:05	A Hajdu	Lajos	Perfect powers in arithmetic progressions
W	9:45 - 10:05	B Belliard	Jean-Robert	Units class group.
W	9:45 - 10:05	C van de Woestijne	Christiaan	Exact values for Waring's problem in finite fields
W	9:45 - 10:05	D Sahinoglu	Hatice	Class number formulas
W	9:45 - 10:05	E Vergnaud	Damien	Extraction rate of transcendental bias
W	10:05 - 10:35			Coffee
W	10:35 - 10:55	A Walsh	Gary	Integer points on families of quartic curves
W	10:35 - 10:55	B Jadrijevic	Borka	On a parametric family of Thue inequalities over function fields
W	10:35 - 10:55	C Javtokas	Algirdas	On bicomplex Hurwitz zeta-function
W	10:35 - 10:55	D Shiokawa	Iekata	Euler's formula for the Fibonacci zeta function
W	10:35 - 10:55	E Sustek	Jan	Metric Results on Special Infinite Series Expansions
W	11:05 - 11:25	A Akhtari	Shabnam	The Method of Thue-Siegel for binary quartic forms
W	11:05 - 11:25	B Ranieri	Gabriele	Power integral bases for prime-power cyclotomic fields
W	11:05 - 11:25	C Essouabri	Driss	Mixed zeta functions and applications.
W	11:05 - 11:25	D Chang	Chieh-Yu	On algebraic relations among special zeta values in characteristic p
W	11:05 - 11:25	E Abdelmadjid	Boudaoud	An algorithm of unidimensional diophantine approximation with simultaneous control of the error and the denominator
W	11:35 - 11:55	A Franusic	Zrinka	The problem of Diophantus in some quadratic fields
W	11:35 - 11:55	B Thomas	Lara	A valuation criterion for normal basis generators in characteristic p
W	11:35 - 11:55	C Bel	Pierre	p-adic Hurwitz zeta function and irrationality
W	11:35 - 11:55	D Pilehrood	T Hessami	On transcendence of certain infinite series
W	11:35 - 11:55	E Lim	Teik-Cheng	Continued Nested Radical Fractions

W 12:00 Lunch

W 13:00 Sharp

Tours: buses depart from KB bus stop

THURSDAY

H 09:00 - 10:00	S	Kisin	Mark	Integral canonical models of Shimura varieties
H 10:10 - 11:10	S	Granville	Andrew	Pretentiousness in the distribution of prime numbers
H 11:10 - 11:40				Coffee
H 11:40 - 12:40	S	Rémond	Gaël	Around the Zilber-Pink conjecture
H 12:50				Lunch
H 14:30 - 14:50	A	Lalin	Matilde N	Functional equations for Mahler measures of genus-one curves
H 14:30 - 14:50	B	Maurin	Guillaume	Multiplicative case of Zilber-Pink conjecture for curves
H 14:30 - 14:50	C	Tu	Frag-Ting	Defining equations of $X_0(2^{2n})$.
H 14:30 - 14:50	D	Edoukou	Frédéric	Error-Correcting codes from higher dimensional non-singular varieties
H 14:30 - 14:50	E	Bars	Francesc	Coleman's power series and Wiles' reciprocity for rank 1 Drinfeld modules
H 15:00 - 15:20	A	Urroz	Jorge J	Torsion subgroup of elliptic curves in quadratic number fields
H 15:00 - 15:20	B	Habegger	Philipp	A Bogomolov Property Modulo Algebraic Subgroups
H 15:00 - 15:20	C	Kühnlein	Stefan	On a noncommutative aspect of modular curves
H 15:00 - 15:20	D	El Mrabet	Nadia	Pairings
H 15:00 - 15:20	E	Voskresenskaya	Galina	Modular forms with multiplicative coefficients and their arithmetic properties
H 15:30 - 15:50	A	Pujolàs	Jordi	An algorithm to determine the 2-Sylow subgroup of Jacobians of genus 2 curves over binary fields.
H 15:30 - 15:50	B	Palenstijn	Willem-Jan	Computing primitive root densities of rank one tori
H 15:30 - 15:50	C	Wilson	Ley	Quaternion Algebras and Q-Curves
H 15:30 - 15:50	D	Duquesne	Sylvain	RNS representation applied to elliptic curve cryptography
H 15:30 - 15:50	E	Brenner	Eliot	Artin Formalism, for Kleinian Groups, via Heat Kernel Methods
H 16:30 - 16:50	A	Avdeeva	Maria	The upper bound for the relative minima number of integral lattices
H 16:30 - 16:50	B	Demeyer	Jeroen	Enumerating ABC-triples
H 16:30 - 16:50	C	Sairaiji	Fumio	Formal groups of building blocks completely defined over finite abelian extensions of \mathbb{Q}
H 16:30 - 16:50	D	Cullinan	John	Algebraic Properties of a Family of Jacobi Polynomials
H 16:30 - 16:50	E	Jouhet	Frédéric	q-analogues of two problems of divisibility through Bailey's lemma
H 17:00 - 17:20	A	Meyer	Bertrand	Perfection and eutaxy for generalised Hermite constants
H 17:00 - 17:20	B	Voutier	Paul	The number of families of solutions of norm form equations
H 17:00 - 17:20	C	Miret	Josep M	Computing isogenies between elliptic curves
H 17:00 - 17:20	D	Plans	Bernat	Generic Galois extensions for the binary icosahedral group
H 17:00 - 17:20	E	Cojocaru	Alina C	Twin prime questions for elliptic curves
H 17:30 - 17:50	A	Karpenkov	Oleg	Basic notions of lattice trigonometry
H 17:30 - 17:50	B	Terai	Nobuhiro	On the exponential Diophantine equation $a^x + db^y = c^z$
H 17:30 - 17:50	C	Ford	David	Computation of Transformation Matrices for the Frobenius Form of a Matrix
H 17:30 - 17:50	D	Papanikolas	Matthew	Difference Galois groups and periods of Drinfeld modules
H 17:30 - 17:50	E	Gonzalez-Aviles	Cristian D	The Capitulation Problem for algebraic tori

H 18:00 - 18:15 E

Meeting about future JAs

H 19:45

Conference Dinner, Playfair Library, Old College

FRIDAY

F 09:00 - 10:00 S van Hoeij Mark The complexity of factoring univariate polynomials over the rationals

F 10:10 - 11:10 S Colmez Pierre On the p-adic local Langlands correspondence for $GL_2(\mathbb{Q}_p)$

F 11:10 - 11:40 Coffee

F 11:40 - 12:40 S Siksek Samir Diophantine Equations after Fermat's Theorem

F 12:50 Lunch

F 14:30 - 14:50 A Dujella Andrej Mordell-Weil groups of elliptic curves induced by Diophantine triples

F 14:30 - 14:50 B Filipin Alan There does not exist a $D(4)$ -sextuple

F 14:30 - 14:50 C Gruenewald David Computing Humbert Surfaces

F 14:30 - 14:50 D Watt Nigel A mean value of Hecke L-functions

F 14:30 - 14:50 E Zaccagnini Alessandro On the Mertens product for arithmetic progressions

F 15:00 - 15:20 A Fisher Tom Eight descent on elliptic curves

F 15:00 - 15:20 B Liptai Kálmán Some results on balancing numbers

F 15:00 - 15:20 C Munshi Ritabrata Density of Rational Points on Châtelet Surfaces

F 15:00 - 15:20 D Ricotta Guillaume Statistics for low-lying zeros of symmetric power L-functions in the level aspect

F 15:00 - 15:20 E Mortenson Eric On the broken 1-diamond partition.

F 15:30 - 15:50 A Arnth-Jensen Anna Non-trivial Sha in the Jacobian of an infinite family of curves of genus 2

F 15:30 - 15:50 B Verger-Gaugry Jean-Louis On the dichotomy of Perron numbers and beta-conjugates

F 15:30 - 15:50 C Najib Salah Irreducibility of Hypersurfaces

F 15:30 - 15:50 D Ivic Aleksandar The Riemann zeta-function and the divisor problem

F 15:30 - 15:50 E Pagelot Sebastien Local distribution of rational points of bounded height on Fano varieties

F 15:40 - 16:30

Tea
END of Conference