

CONFÉRENCE QUÉBEC-MAINE / QUÉBEC-MAINE CONFERENCE 2026

HORAIRE / TIMETABLE — 30 SEPTEMBER 2026

SAMEDI / SATURDAY — 3 OCTOBRE / OCTOBER 2026 — MATIN / MORNING

Heure / Time	VCH-2850 † Plénières / Plenary	VCH-2880 † (100 seats) AG-DG	VCH-2860 † (70 seats) ANT-AS	VCH-2870 † (41 seats) IWA	VCH-2840 † (49 seats) AF-LR
8h25–8h35	Mots de bienvenue / Welcome VCH-2850				
8h35–8h40	Installation / Move to classrooms				
8h40–9h10		Michael Cerchia (P) Quadratic points on modular curves and images of Galois	Sundar Sundaramurthy (R) Three and Higher Dimensional Complex Numbers Forming a Field Over Real Numbers	Ben Forrás (P) Class Number Relations in Abelian Extensions of Global Fields	
9h10–9h20	Pause / Break				
9h20–9h40		Aidan Hennessey (S) Computing torsion and Galois representations attached to genus 2 Jacobians	Timothy Cheek (S) Homological stability, prime twists, and quadratic Dirichlet L-functions	Connor Stewart (S) Conductor-Discriminant Inequality for Tame Cyclic Covers of the Projective Line	Juan Arévalo (S) Irreducible polynomials with restricted digits in base b(T)
9h40–9h50	Pause / Break				
9h50–10h20		Julie Desjardins (F) Low-genus curves on elliptic surfaces	Paul Kinlaw (F) Sums Related to Second-Order Recurrence Relations MOVED TO SUNDAY		
10h20–10h30	Pause / Break				
10h30–10h50		Devayani Pradhan (S) The Bias Conjecture for One-Parameter Families of Elliptic Curves with Non-Constant j-Invariant	Asmae El-Baz (S) On a Conjecture of Tho for Cai’s abcd Equation		Sueda Senturk Avci (S) Explicit Computations of Whittaker Functionals
10h50–11h00	Pause / Break				
11h00–12h00	Jennifer Balakrishnan Quadratic Chabauty in higher genus	CONFÉRENCE INVITÉE / INVITED LECTURE VCH-2850			
12h00–13h50	Pause du lunch / Lunch break				

S = Student; P = Postdoc; F = Faculty; RA = Research Associate; IR = Independent Researcher; R = Retired; Inv. = Invited.

Quatre salles de sessions / Four contributed-session rooms. Repères thématiques souples / Indicative room themes. Détails / Details: Speakers, Notes.

SAMEDI / SATURDAY — 3 OCTOBRE / OCTOBER 2026 — APRÈS-MIDI / AFTERNOON

Heure / Time	VCH-2850 † Plénières / Plenary	VCH-2880 † (100 seats) AG-DG	VCH-2860 † (70 seats) ANT-AS	VCH-2870 † (41 seats) IWA	VCH-2840 † (49 seats) AF-LR
13h50–14h20		Berend Ringeling (P) Statistics from the arithmetic of Boyd's Mahler measure conjectures		Isabella Negrini (P) Rigid Cocycles and the p-adic Kudla Program	
14h20–14h30	Pause / Break				
14h30–15h00		Matilde Lalin (F) Machine learning the arithmetics of Boyd's Mahler measure conjectures	Nikita Lvov (IR) What is the probability that one can hear the shape of a random graph?		Yi Shan (P) Quaternionic Eisenstein series on $U(2,n)$
15h00–15h10	Pause / Break				
15h10–15h30		Mohammad Hamdar (S) Ranks Of Elliptic Curves Twisted by Thin Sets	Yuval Amit (S) Breaking Universality in the Lower Order Terms in the 1-level and 2-level Density of Holomorphic Cusp Newforms	Khabane Ngom (S) A General Construction of Simply Normal Numbers via Additive Functions	Kin Ming Tsang (S) Conjectural decomposition of symmetric powers of automorphic representations for $GL(n)$
15h30–15h40	Pause / Break				
15h40–16h10			Robert Hough (F) Moments of Sato-Shintani zeta functions		Gil Moss (F) Converse theorems in families for $GSp(4)$
16h10–16h20	Pause / Break				
16h20–17h20	Eyal Goren Quotients of abelian varieties	CONFÉRENCE INVITÉE / INVITED LECTURE VCH-2850			
17h20–17h30	Pause / Break				
17h30–17h50		Joshua Im (S) On the Existence of Hyperelliptic Curves over $\mathbb{Q}(T)$ with Certain Jacobian Ranks	Christopher Housholder (S) Bounding The Number of Zeros Near the Central Point in Families of Cuspidal Newforms	Omer Avci (S) Torsion of Rational Elliptic Curves over the $\mathbb{Z}_p$ -Extensions of Quadratic Fields	Patrick Letendre (S) The Integer Values of $\sum_{i=1}^n 1/\gcd(n,i)$
17h50–19h00	Temps libre / Free time				
19h00–22h00	Souper / Dinner — proposition; détails à confirmer / proposed; details TBC				

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DIMANCHE / SUNDAY — 4 OCTOBRE / OCTOBER 2026					
Heure / Time	VCH-2850 † Plénières / Plenary	VCH-2880 † (100 seats) AG-DG	VCH-2860 † (70 seats) ANT-AS	VCH-2870 † (41 seats) IWA	VCH-2840 † (49 seats) AF-LR
8h40–9h10		Sheela Devadas (P) Covers of curves, Ceresa cycles, and unlikely intersections			Kamryn Spinelli (P) Counting points with invariant theory
9h10–9h20	Pause / Break				
9h20–9h50		Rakvi (P) On congruence obstructions in the refined Koblitz conjecture			Peter Zenz (RA) Mass Distribution of Dihedral Maass Forms on the Vertical Geodesic
9h50–10h00	Pause / Break				
10h00–10h30		Benjamin York (P) Heuristics for (ir)reducibility of p-rank strata of the moduli space of hyperelliptic curves			Kimball Martin (F) Rationality fields of modular forms
10h30–10h40	Pause / Break				
10h40–11h00		Colin Jackson (S) Parameterized families of ideals arising from points on $C_{[a,b]}$ curves	Ekta Soni (S) On the distribution of the coefficients of the Dedekind zeta function over certain sequence of positive integers	Juan-Pablo Llerena-Cordova (S) Numerical study of refined conjectures of the BSD type	Mohammad Masih Hamidi (S) The Multiplicity One Defect and Congruence-Modular Exponent Ratios
11h00–11h20	Photo de groupe / Group photo — VCH-2850 (proposition / proposed)				
11h20–11h50		Antonio Lei (F) Asymptotic behaviour of Mazur-Tate elements of elliptic curves	Tristan Phillips (F) Randomly Oriented Divisor Graphs	Paul Kinlaw (F) Sums Related to Second-Order Recurrence Relations	
11h50–12h00	Pause / Break				
12h00–13h00	Gene Kopp Explicit class field theory for real quadratic fields, within two broad geometric landscapes	CONFÉRENCE INVITÉE / INVITED LECTURE VCH-2850			

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AG-DG: Arithmetic & Diophantine Geometry • ANT-AS: Analytic Number Theory & Arithmetic Statistics • IWA: Iwasawa Theory & p-adic Arithmetic • AF-LR: Automorphic Forms, Langlands & Representation Theory • CPE talks are distributed across the four rooms.