

Conference on Algebraic and explicit methods in Number Theory

Laboratoire de mathématiques de Besançon, 23-27 September, 2013

Program

	Lundi	Mardi	Mercredi	Jeudi	Vendredi
9h30		F. Pappalardi	A. David	L. Thomas	M. Watkins
10h	<i>Accueil</i>	Properties of reductions of groups of rational numbers	Computing multiplicities in the Breuil-Mézard Conjecture	Serre weights and ramification jumps for mod p Galois representations	Ranks of quadratic twists of elliptic curves
10h30		<i>Pause</i>	<i>Pause</i>	<i>Pause</i>	<i>Pause</i>
11h	K. Lauter	B. Anglès	J.-M. Couveignes	S. Rozensztajn	G. Wiese
11h30	Genus 2 curves in cryptography	Nombres de Bernoulli en caractéristique positive	(Pseudo)-primality testing with ring extensions	Asymptotic modular multiplicities for GL_2 and the Breuil-Mézard conjecture	On symplectic Galois representations and the inverse Galois problem
12h					
12h30	<i>Déjeuner</i>	<i>Déjeuner</i>	<i>Déjeuner</i>	<i>Déjeuner</i>	<i>Déjeuner</i>
13h					
14h	C. Huyghe	C. David		R. Jones	A. Cámara
14h30	Some examples of computations of (φ, Γ) -modules coming from geometry	Groups of points of abelian surfaces over finite fields		Post-critically finite rational functions over number fields	Higher local fields and Functional Analysis
15h					
15h15	W. Bley	P. Stevenhagen		H. Lombardi	
15h45	Congruences for critical values of higher derivatives of twisted Hasse-Weil L -functions	Galois groups as arithmetic invariants		General Methods in Constructive Algebra for deciphering noneffective proofs	
16h15	<i>Pause</i>	<i>Pause</i>		<i>Pause</i>	
16h45	F. Varescon	A. Page		N. Mascot	
17h15	Calcul de la \mathbb{Z}_p -torsion de \mathfrak{X}	Computing Kleinian modular forms		Computing modular Galois representations	
17h45					
18h15		<i>Pot au LMB (Aqua)</i>			