

GÉOMÉTRIE ARITHMÉTIQUE ET MOTIVIQUE
CIRM, 19–23 SEPTEMBRE 2011

LUNDI

9h30 - 10h 30 Jean-Louis Colliot-Thélène:
Descente galoisienne sur le groupe de Brauer

11h - 12h Moritz Kerz:
p-adic deformation of cycle classes

12h30 Déjeuner

15h30 - 16h30 Denis-Charles Cisinski:
Kontsevich non-commutative motives

17h - 18h Takeshi Saito:
Stiefel-Whitney classes of l-adic cohomology

18h15 - 19h15 Alberto Vezzani:
A geometrical and a functorial approach to schemes over \mathbf{F}_1

19h30 Dîner

MARDI

9h30 - 10h 30 José Ignacio Burgos-Gil:
Hemitian structures on the bounded derived category of coherent sheaves

11h - 12h Joseph Ayoub:
Une version relative de la conjecture des périodes de Kontsevich-Zagier

12h30 Déjeuner

15h30 - 16h30 Charles Vial:
On the motives of varieties with small Chow groups

17h - 18h Baptiste Morin:
Weil étale cohomology over number fields

18h15 - 19h15 Alena Pirutka:
On some birational invariants for varieties over finite fields

19h30 Dîner

MERCREDI

9h30 - 10h 30 Henri Gillet:

Motivic invariants of degeneration

11h - 12h Jean-Benoît Bost:

Algebraization of formal vector bundles on surfaces over number fields

12h30 Déjeuner

Après-midi libre/free afternoon — promenade possible

19h30 Dîner

JEUDI

9h00 - 10h 00 Aravind Asok:

Stable \mathbf{A}^1 -homotopy, rational points, and 0-cycles of degree 1

10h15 - 11h15 Takao Yamazaki:

Torsion on theta divisors of hyperelliptic Jacobians and p -adic τ functions

11h30 - 12h30 Matthias Wendt:

Homology of SL_3 over polynomial rings

12h30 Déjeuner

15h30 - 16h30 Guido Kings:

p -adic regulators for modular forms and Panchishkin's measure

17h - 18h Joël Riou:

A remark on motivic Steenrod operations

18h15 - 19h15 Hélène Esnault:

l -adic eigenvalues of automorphisms on surfaces over finite fields

19h30 Dîner (Bouillabaisse)

VENDREDI

9h30 - 10h 30 Marc Levine:

Convergence of the slice tower and its realizations

11h - 12h Ahmed Abbes:

Correspondance de Simpson p -adique

12h30 Déjeuner

13h30 - 14h30 Jörg Wildeshaus:

Motivic intersection complex on Shimura varieties