

Galois-theoretic Arithmetic Geometry

Dates: October 19-24, 2010

Venue: International Institute for Advances Studies and Keihanna Plaza Hotel, Kyoto, Japan

Organizing Committee: H. Nakamura (Chair); F. Pop; L. Schneps; A. Tamagawa; Y. Hoshi

Program

19 Tuesday

Arrival Day

19:00-23:00 Night Session

20 Wednesday

09:40-09:45 H. Nakamura Opening Remarks

09:45-10:45 K. Hashimoto Noether's Problem for transitive permutation groups of degree 6 and the moduli spaces of genus 2 curves with prescribed endomorphism structures of their jacobians

11:00-12:00 M. Kakde L -functions and K -theory

12:00-13:30 Lunch Break

13:30-14:30 Programme du jour

14:45-15:45 H. Tokunaga Splitting curves in double covers and elliptic surfaces

16:00-17:00 Z. Wojtkowiak Periods of mixed Tate motives - ℓ -adic Galois side, examples

17:00-19:00 Dinner Break

19:00-23:00 Night Session

21 Thursday

09:45-10:45 S. Morita Structure of the space of symplectic invariant tensors and its applications in the tautological algebra of the moduli space of curves and beyond

11:00-12:00 N. Imai Dimensions of moduli spaces of finite flat models

12:00-13:30 Lunch Break

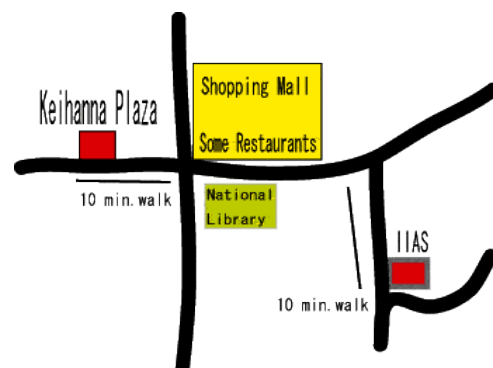
13:30-14:30 Programme du jour

14:45-15:45 C. Rasmussen Finiteness results on abelian varieties with constrained torsion

16:00-17:00 A. Obus Lifting Cyclic Extensions

17:00-19:00 Dinner Break

19:00-23:00 Night Session



22 Friday

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|-------------|-------------------|--|
| 09:45-10:45 | S. Carr | Moulds and multiple zeta values |
| 11:00-12:00 | S. Corry | Galois branched covers of finite graphs |
| 12:00-13:30 | Lunch Break | |
| 13:30-14:30 | Programme du jour | |
| 14:45-15:45 | T. Ichikawa | Motivic properties of modular groups |
| 16:00-17:00 | P. Debes | The Regular Inverse Galois Problem and the Hilbert-Grunwald property |
| 18:30-20:30 | Banquet | |
| 20:00-23:00 | Night Session | |

23 Saturday

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|-------------|-------------------|---|
| 09:45-10:45 | J. Tong | On the variation of fundamental groups |
| 11:00-12:00 | A. Auel | A Milnor conjecture for p -adic curves |
| 12:00-13:30 | Lunch Break | |
| 13:30-14:30 | Programme du jour | |
| 14:45-15:45 | G. Yamashita | p -adic multiple zeta values and motivic Galois group |
| 16:00-17:00 | G. Quick | Galois actions on etale homotopy types |
| 17:00-19:00 | Dinner Break | |
| 19:00-23:00 | Night Session | |

24 Sunday

Departure Day
(Rental Bus to Kyoto Hotels)

