

«Reinventing Rational Points»
Paris, April 15th – July 12th, 2019

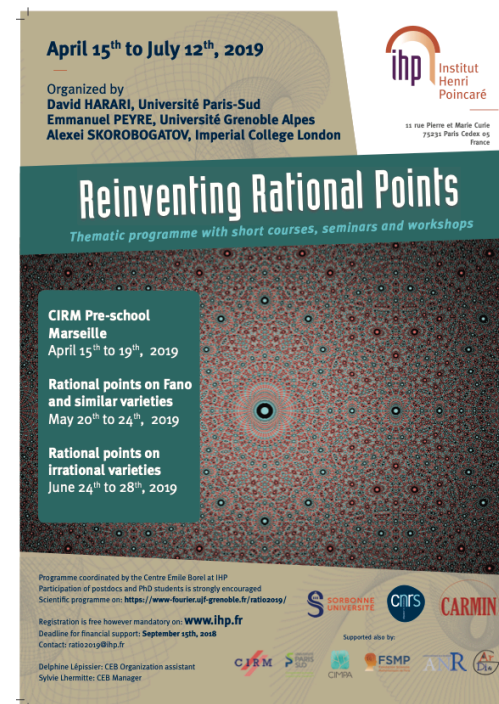
Conference «Rational Points on Irrational Varieties»

Paris, June 24th – 28th, 2019

Amphitheater Hermite



All lectures will be videotaped



Organizers: **B Poonen** (Massachusetts Institute of Technology) and **Alexei Skorobogatov** (Imperial College, London)

Invited Speakers:

Dan Abramovich (Brown University)

Anna Cadoret (Sorbonne Université)

Frédéric Campana (Université de Lorraine)

Yang Cao (Leibniz Universität Hannover)

Kęstutis Česnavičius (Université Paris-Sud)

François Charles (Université Paris-Sud)

Brendan Creutz (University of Canterbury)

Jordan Ellenberg (University of Wisconsin-Madison)

Yonatan Harpaz (Université Paris Nord)

Diego Izquierdo (MPIM Bonn)

Damian Rössler (University of Oxford)

Zev Rosengarten (Hebrew University of Jerusalem)

Alexander Smith (Harvard University)

Michael Stoll (Universität Bayreuth)

Anthony Várilly-Alvarado (Rice University)

Bianca Viray (University of Washington)

Isabel Vogt (MIT)

Yuri Zarhin (Pennsylvania State University)

David Zureick-Brown (Emory University, Atlanta USA)

PROGRAM

Monday June 24th

09.00 am – 09.30 am	Registration and welcome coffee – IHP ground floor	
09.30 am – 10.30 am	François Charles	Affine and mod-affine varieties in arithmetic geometry.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 12.00 pm	Damian Rössler	Perfect points on abelian varieties in positive characteristic.
12.00 pm – 02.30 pm	Lunch break	
02.30 pm – 03.30 pm	Anna Cadoret	Families of abelian varieties with a common isogeny factor.
03.30 pm – 04.00 pm	Coffee break	IHP ground floor
04.00 pm – 05.00 pm	Diego Izquierdo	Homogeneous spaces, algebraic K-theory and cohomological dimension of fields.

Tuesday June 25th

09.30 am – 10.30 am	Frédéric Campana	«Special» manifolds: rational points and entire curves.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 12.00 pm	Jordan Ellenberg	Rational points and fundamental groups.
12.00 pm – 02.30 pm	Lunch break	
02.30 pm – 03.30 pm	David Zureick-Brown	Mazur's program B.
03.30 pm – 04.00 pm	Coffee break	IHP ground floor
04.00 pm – 05.00 pm	Alexander Smith	2^k -Selmer groups and Goldfeld's conjecture.

06.00 pm – 08.00 pm Dinner Party

Registration starting at 05.30 pm

Sorbonne Université
Zamansky Tower– 24th floor
4 place Jussieu – 75005 Paris
Subway line 7 – Station: Jussieu
Note: Bring your ID card or Passport

Wednesday June 26th

09.30 am – 10.30 am	Anthony Várilly-Alvarado	Quasi-hyperbolicity via explicit symmetric differentials.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 12.00 pm	Yang Cao	Sous-groupe de Brauer invariant et application.
12.00 pm – 02.30 pm	Lunch break	

02.30 pm – 03.30 pm	Brendan Creutz	Descent obstructions on constant curves over global function fields.
03.30 pm – 04.00 pm	Coffee break	IHP ground floor
04.00 pm – 05.00 pm	Zev Rosengarten	Tamagawa Numbers of Linear Algebraic Groups over Function Fields.

Thursday June 27th

09.30 am – 10.30am	Michael Stoll	Minimization and reduction of plane curves.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 12.00 pm	Yonatan Harpaz	Squares represented by a product of three ternary quadratic forms, and a homogeneous variant of a method of Swinnerton-Dyer.
12.00 pm – 02.30 pm Lunch break		
02.30 pm – 03.30 pm	Bianca Viray	Persistence of the Brauer-Manin obstruction under field extension.
03.30 pm – 04.00 pm	Coffee break	IHP ground floor
04.00 pm – 05.00 pm	Isabel Vogt	Low degree points on curves.
05.15 pm– 06.15 pm	Kęstutis Česnavičius	Purity for the Brauer group of singular schemes.

Friday June 28th

09.30 am – 10.30 am	Yuri Zarhin	Endomorphisms of certain superelliptic jacobians and l -adic Lie algebras.
10.30 am – 11.00 am	Coffee break	IHP ground floor
11.00 am – 12.00 pm	Dan Abramovich	Resolution in characteristic 0 using weighted blowing up.

Lunch break – End of the Conference

More information of the trimester «Reinventing Rational Points»: <https://www-fourier.ujf-grenoble.fr/ratio2019/semaines.php?semaine=11&lang=uk>

