

**Programme on
“Advances in Birational Geometry”**

April 3 – May 26, 2017

organized by

**Fedor Bogomolov (Courant Institute, NYU), Jean-Louis Colliot-Thélène (U Paris-Sud),
Ludmil Katzarkov (U Vienna), Alexander Kuznetsov (Steklov Inst. Moscow), Alena Pirutka
(Courant Institute, NYU), Yuri Tschinkel (Courant Institute, NYU)**

Workshop 1

“Recent developments in rationality questions”

April 24 – 28, 2017

• **Monday, April 24, 2017**

09:00 – 09:30 **Opening & Registration**

09:30 – 11:00 **Alena Pirutka**

Irrationality problems I

11:00 – 11:30 *coffee / tea break*

11:30 – 12:30 **Yuri Tschinkel**

On the Arithmetics of surfaces

12:30 – 14:15 *lunch break*

14:15 – 15:15 **Jean-Louis Colliot-Thélène**

Cubic hypersurfaces, I

• **Tuesday, April 25, 2017**

09:30 – 10:30 **Daniel Huybrechts**

Motives of $K3$

10:30 – 11:00 *coffee / tea break*

11:00 – 12:30 **Alena Pirutka**

Irrationality problems II

12:30 – 14:15 *lunch break*

14:15 – 15:15 **Jean-Louis Colliot-Thélène**

Cubic hypersurfaces, II

15:15 – 15:45 *break*

15:45 – 16:45 **Keiji Ogusō**

Higher dimensional projective manifolds with primitive automorphisms of positive entropy

- **Wednesday, April 26, 2017**

09:30 – 10:30 **Konstantin Shramov**

Automorphism of Pointless Surfaces

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Pranav Pandit**

Categorical Kähler Geometry

12:00 – 14:15 *lunch break*

14:15 – 15:15 **Eric Sharpe**

0,2 models of Fano spaces

15:15 – 15:45 *break*

15:45 – 16:45 **Sergey Galkin**

Relations between cycles on cubics

- **Thursday, April 27, 2017**

09:30 – 10:30 **David Favero**

A Toric Orlov Theorem via Landau-Ginzburg Models

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Anthony Blanc**

Generators in formal deformations of categories

- **Friday, April 28, 2017**

09:30 – 10:30 **Ted Spaide**

Calabi-Yau structures, spherical functors, and shifted symplectic structures

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Pranav Pandit**

Gradient flows, iterated logarithms and semistability

All talks take place at the ESI, Boltzmann Lecture Hall!