

**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 3**

**“Closing workshop - future directions”**

**May 15 – 19, 2017**

• **Monday, May 15, 2017**

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

09:30 – 10:30 **Valery Alexeev**

*Volumes of open surfaces*

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Alexander Efimov**

*Stability conditions and localizations*

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Morgan Veljko Brown**

*Characterization of toric log Calabi-Yau pairs.*

15:00 – 15:30 *break*

15:30 – 16:30 **Fabian Haiden**

*Categories and Filtrations*

• **Tuesday, May 16, 2017**

09:30 – 10:30 **Gabriel Kerr**

*Homological mirror symmetry and the toric minimal model program*

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Paul Horja**

*Toric schobers from GKZ  $D$ -modules*

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Marcello Bernardara**

*From noncommutative motivic measures to subgroups of the Cremona group.*

15:00 – 15:30 *break*

15:30 – 16:30 **Yan Soibelman**

*Quantum geometry of Riemann-Hilbert correspondence.*

- **Wednesday, May 17, 2017**

09:30 – 10:30 **Ljudmila Kamenova**  
*Hyperbolicity in hyperkaehler geometry*

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Anton Mellit**  
*Rationality of Ueno-Campana manifolds.*

- **Thursday, May 18, 2017**

09:30 – 10:30 **Ivan Cheltsov**  
*Rational and irrational singular quartic threefolds*

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Ilya Karzhemanov**  
*Birational invariants and covariants*

12:00 – 14:00 *lunch break*

14:00 – 15:00 **Alexander Kuznetsov**  
*D-equivalence, L-equivalence and families of quadrics*

15:00– 15:30 *break*

15:30 – 16:30 **Alex Perry**  
*Categorical joins*

- **Friday, May 19, 2017**

09:30 – 10:30 **Sergey Galkin**  
*Degenerations to Normal Cone as Relations for a Grothendieckesque Group*

10:30 – 11:00 *coffee / tea break*

11:00 – 12:00 **Jong Hae Keum**  
*Equations of Fake Projective Planes*

12:00 – 14:00 *lunch break*

14:00 – 15:00 **George Dimitrov**  
*Topology on certain class of triangulated categories (categories with phase gap)*

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