Rationality of algebraic varieties
Schiernonnikoog, 15 – 19 April, 2019
Title and abstracts

Monday, 15 April

9:00 – 9:50
Jean-Louis Colliot-Thélène
Title : TBA
Abstract :
TBA

10:10 – 11:00
Stefan Schreieder
Title : The rationality problem of hypersurfaces
Abstract :
TBA

11:20 – 12:10
Francesco Russo
Title : Explicit rationality of some cubic fourfolds
Abstract :
TBA

16:30 – 17:20
Ekaterina Amerik
Title : Contraction loci on hyperkaehler manifolds in families
Abstract :
This is a joint work with Misha Verbitsky. Let \( X \) be an irreducible holomorphic symplectic manifold and \( z \) a Beauville-Bogomolov negative (1,1)-class. Using the ergodicity of the monodromy action and a recent result on contractibility by Bakker and Lehn, we prove some deformation-invariance statements for the locus covered by rational curves of class proportional to \( z \) in \( X \). An explicit description of contraction loci on low-dimensional manifolds of \( K3 \) type comes as an application.

17:30 – 18:20
Daniel Huybrechts
Title : TBA
Abstract :
TBA