Stony Brook University

4th Biannual Mini-School in Geometry

Derived Categories and Their Applications to Birational Geometry

<u>Monday</u>

April 6, 2015

Aimed at graduate students and postdocs in geometry, the mini-school will present an introduction to recent applications of derived categories in birational geometry. No previous exposure to the subject will be assumed.

The school precedes the conference *New Techniques in Birational Geometry,* at Stony Brook April 7-11, 2015.

Review of birational geometry
Christian Schnell (Stony Brook)

Introduction to derived categories
Emanuele Macri (Northeastern)

Derived categories and birational geometry
Alexander Kuznetsov
(Steklov Institute)

The lectures will start at 10 am. Lunch will be provided and modest travel costs defrayed for outside participants. Lunch will be subsidized for local participants. Supported by the NSF and the Stony Brook Algebraic Geometry Fund. To register, and for further information, *http://www.math.sunysb.edu/AlgebraicGeometry/Rationality.html*