



# Singular metrics and direct image sheaves

**April 21, 2017**

Aimed at graduate students and postdocs in geometry, the mini-school will present an introduction to the interplay between singular Hermitian metrics and direct images of pluricanonical sheaves, emphasizing both the analytic and algebraic approaches. No previous exposure to the topics will be presupposed.



## **Introduction to singular Hermitian metrics**

*Dror Varolin* (Stony Brook)

## **Properties of direct images of pluricanonical bundles**

*Christian Schnell* (Stony Brook)

## **Singular Hermitian metrics and positivity of direct images of pluricanonical bundles**

*Mihai Paun* (UIC)

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/Singularmetrics.html>