Invariants of Singularities in zero and positive characteristic

December 4, 2015

Aimed at graduate students and postdocs in geometry, the mini-school will present an introduction to modern invariants of singularities, both in characteristic 0 and p, with an emphasis on the surprising connections between them. No previous exposure to the topics will be presupposed.

Introduction to singularities
Rob Lazarsfeld (Stony Brook)

Frobenius invariants of singularities
Kevin Tucker (UIC)

Connections between characteristic zero and p>0 invariants
Mircea Mustata (Univ. of Michigan)

The analytic viewpoint
Dror Varolin (Stony Brook)