Department of Mathematics
University of Notre Dame

ALGEBRAIC GEOMETRY AND COMMUTATIVE ALGEBRA SEMINAR

Speaker: Alessio Sammartano
Purdue University

Date: Wednesday, November 2, 2016
Time: 3:00 PM
Location: 258 Hurley Hall

Lecture Title:
Blowup algebras of rational normal scrolls

Abstract
The Rees ring and the special fiber ring of a polynomial ideal I, also known as the blowup algebras of I, play an important role in commutative algebra and algebraic geometry. A central problem is to describe the defining equations of these algebras. I will discuss the solution of this problem when I is the homogeneous ideal of a rational normal scroll.

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