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**Qi Zhang\*** ([qi@math.missouri.edu](mailto:qi@math.missouri.edu)), Department of Mathematics, University of Missouri,  
Columbia, MO 65211. *Projective varieties with nef anti-canonical divisors.*

In this talk, we shall explore some recent development in the subject of studying projective varieties with nef anti-canonical divisors. In particular, we shall investigate the properties of the Albanese maps, the maximal rationally connected fibrations and the nef reductions associated with those varieties. (Received August 22, 2005)