1081-14-216 **Gordon Heier*** (heier@math.uh.edu) and **Shigeharu Takayama**. *On uniformly effective birationality and the Shafarevich Conjecture over curves.*

We will discuss the following recent effective boundedness result for the Shafarevich Conjecture over function fields. Let B be a smooth projective curve of genus g, and $S \subset B$ be a finite subset of cardinality s. There exists an effective upper bound on the number of deformation types of admissible families of canonically polarized manifolds of dimension n with canonical volume v over B with prescribed degeneracy locus S. The effective bound only depends on the invariants g, s, n and v. The key new ingredient which allows for this kind of result is a careful study of effective birationality for families of canonically polarized manifolds. This is joint work with S. Takayama. (Received February 12, 2012)