Richard Ketchersid* (richard.ketchersid@utdallas.edu), UT Dallas, Mathematics Department, 800 West Campbell Road, Richardson, TX 75080. *Lifting results on analytic/Suslin sets to $\infty$-Borel sets. Preliminary report.

In joint work with A. Caicedo, we have lifted a variety of results which hold for analytic and, more generally, $\kappa$-Suslin sets, to the class of $\infty$-Borel sets under some additional assumptions. The method is quite general and derived from work of H. Woodin in the analysis/axiomatization of AD$^+$ models. The specific results we concentrate on were motivated by work of B. Miller and older work of G. Hjorth. (Received March 08, 2011)