1116-14-903   **Angelica Benito*** (`angelica.benito@icmat.es`), Instituto de Ciencias Matemáticas (ICMAT), C/ Nicolás Cabrera, 13-15, Campus de Cantoblanco, UAM, 28049 Madrid, Madrid, Spain, and **Orlando E. Villamayor U.** (`villamayor@uam.es`), Dpto Matemáticas - Fac. Ciencias, Universidad Autónoma de Madrid, Ciudad Universitaria de Cantoblanco, 28049 Madrid, Madrid, Spain. *Resolution of singularities: new invariants in positive characteristic.*

In this talk we present some new invariants of the singularities defined in the case of positive characteristic using commutative algebra tools. These invariants are an extension of some others defined in previous jobs (used, in particular, to prove resolution of singularities of 2-dimensional schemes). The improvement of these new ones is that they are now upper semicontinuous. This is a joint work with Orlando E. Villamayor U. (Received September 15, 2015)