1116-15-972 **Anthony Iarrobino**, **Leila Khatami*** (khatamil@union.edu), **Bart Van Steirteghem** and **Rui Zhao**. *Nilpotent matrices having a given Jordan type as maximum commuting nilpotent orbit.*

The Jordan type of a nilpotent matrix is the partition giving the sizes of the Jordan blocks in the normal Jordan form of the matrix. In this talk we discuss pairs of partitions (P, Q), where $Q = Q(P)$ is the Jordan type of a generic element of the nilpotent commutator of the Jordan matrix of type P. In particular, we report on a joint work with A. Iarrobino, B. Van Steirteghem and R. Zha in which we prove a conjecture formulated by P. Oblak in 2012 concerning the cardinality of $Q^{-1}(Q)$ when Q has two parts. We also propose a generalization for an arbitrary partition Q. (Received September 15, 2015)