1095-17-196 **Andrea Appel*** (andrea@math.huji.ac.il), Einstein Institute of Mathematics, Edmond J. Safra Campus, Givat Ram, 91904 Jerusalem, Israel. *Quasi-Coxeter categories for symmetrizable Kac-Moody algebras.*

In 2005, V. Toledano Laredo proved that the monodromy of the Casimir connection of a simple Lie algebra $\mathfrak{g}$ is described by the quantum Weyl group operators of the quantum group $U_\hbar\mathfrak{g}$. His proof relies upon the notion of a quasi–Coxeter quasitriangular quasibialgebra, which is informally a bialgebra carrying actions of a given generalized braid group and Artin's braid groups on the tensor products of its modules. In this talk, I will give a brief overview of the strategy to extend these results when $\mathfrak{g}$ is an arbitrary symmetrizable Kac–Moody algebra, based upon a generalization of the notion of a quasi–Coxeter algebra at a categorical level. This talk is based on a joint work with V. Toledano Laredo (arxiv:1212.6720). (Received September 09, 2013)