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**P. Shan\*** ([peng.shan@unicaen.fr](mailto:peng.shan@unicaen.fr)), **M. Varagnolo** and **E. Vasserot**. *Koszul duality for affine Lie algebras and rational Cherednik algebras.*

I will explain the parabolic-singular Koszul duality for the category  $\mathcal{O}$  of affine Lie algebras and explain how to use it to prove Koszulity of  $q$ -Schur algebras. I will also discuss the relation with a conjecture of J. Chuang and H. Miyachi on the Koszulity of the category  $\mathcal{O}$  of the cyclotomic rational double affine Hecke algebras. (Received February 05, 2012)