1150-16-524 **Ales Bouhada** and **Shiping Liu*** (shiping.liu@usherbrooke.ca), 2500 Boulevard Université, Sherbrooke, Quebec J1K 2R1, Canada, and **Min Huang**. *Koszul duality for non-graded derived categories.* Preliminary report.

This is a joint work with Ales Bouhada and Min Huang. Let Λ be a Koszul algebra given by a locally finite gradable quiver, and let $\Lambda^!$ be its Koszul dual. We shall establish an equivalence between a family of subcategories of the derived category of all Λ-modules and a family of subcategories of the derived category of all $\Lambda^!$-modules. This equivalence extends Beilinlinson, Ginzburg and Soergel's Koszul duality. In case Λ and $\Lambda^!$ are locally bounded, we shall show that the bounded derived category of finitely supported modules Λ-modules is equivalent to the bounded derived category of finitely supported modules $\Lambda^!$-modules. This statement generalizes also the corresponding result by Beilinlinson, Ginzburg and Soergel.

(Received July 15, 2019)