This is a joint work with Ales Bouhada and Min Huang. Let $\Lambda$ 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 $\Lambda$-modules and a family of subcategories of the derived category of all $\Lambda^!$-modules. This equivalence extends Beilinson, Ginzburg and Soergel’s Koszul duality. In case $\Lambda$ and $\Lambda^!$ are locally bounded, we shall show that the bounded derived category of finitely supported modules $\Lambda$-modules is equivalent to the bounded derived category of finitely supported modules $\Lambda^!$-modules. This statement generalizes also the corresponding result by Beilinson, Ginzburg and Soergel.

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