1172-20-232   **Piotr Stachura*** (`piotr_stachura1@sggw.edu.pl`), Warsaw University of Life Sciences - SGGW, Warsaw, Poland. *Induced Representations of Bicrossed Product Quantum Groups.* Preliminary report.

I will present a construction of induced representations of quantum groups defined by Double (Lie) Groups. These are quantizations of semidirect products with a vector space e.g. Euclidean and Poincare Groups. The construction is analogous to classical construction of inducing representations from representations of isotropy groups of action on the dual (vector) space. This is a preliminary report mainly on algebraic level. (Received August 30, 2021)