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Stefanos Orfanos (sorfanos@depaul.edu), **Ayse A. Sahin*** (ayse.sahin@wright.edu) and **Ilie Ugarcovici** (iugarcov@depaul.edu). *Orbit structure and orbit equivalence for actions of semi-direct product groups*. Preliminary report.

We will discuss actions of semi-direct product groups of the form $G = \mathbb{Z}^d \rtimes_A \mathbb{Z}$ where $A \in M(2, \mathbb{Z})$ with $\det(A) = 1$. We discuss the interplay between continuous orbit equivalence and the geometry of the group. (Received September 25, 2018)