1120-42-222 Azita Mayeli\* (amayeli@gc.cuny.edu), NY, Bradley Currey, MO, and Vignon Oussa, RI.

Sampling and interpolation on certain nilpotent lie groups. Preliminary report.

Let G be a two step nilpotent Lie group of certain property. In this talk we show a characterization of left-invariant subspaces of  $L^2(G)$  which are sampling and have the interpolation property with respect to a class of discrete subsets of G. (Received February 22, 2016)