1125-37-1203 **Fabien Durand** (`fabien.durand@u-picardie.fr`), **Nicholas Ormes*** (`nic.ormes@du.edu`) and **Samuel Petite** (`samuel.petite@u-picardie.fr`). *Self-induced systems.*

In this talk we will discuss self-induced minimal Cantor systems. A minimal Cantor system is said to be self-induced whenever it is conjugate to one of its induced systems. Substitution subshifts and some odometers are classical examples, and these are the only examples in the equicontinuous or expansive case. Nevertheless, we exhibit a zero entropy self-induced system that is neither equicontinuous nor expansive. We also provide non-uniquely ergodic self-induced systems with infinite entropy. Moreover, we give a characterization of self-induced minimal Cantor systems in terms of substitutions on finite or infinite alphabets. (Received September 15, 2016)