1165-46-270 **Florent Baudier*** (florent@math.tamu.edu), Department of Mathematics, College Station, TX 77843, and **Gilles Lancien** (gilles.lancien@univ-fcomte.fr), **Pavlos Motakis** (pmotakis@yorku.ca) and **Thomas Schlumprecht** (schlump@math.tamu.edu). *Descriptive set-theoretical complexity via metric geometry.*

In this talk, we will explain how the descriptive set-theoretical complexity of the class of separable reflexive and asymptotic-c_0 Banach spaces can be computed using geometric arguments. The computation relies on a bi-Lipschitz characterization of the class of asymptotic-c_0 spaces (in the reflexive setting) in terms of geometric embeddings of Hamming-like metrics, a generalization of the Hamming graph metric. (Received January 19, 2021)