Title: Skew products which are not standard

Abstract:
For any function $f$ on the unit circle and $T_t$ a flow, we can form the skew product extension $\hat{T}_f(x,\omega) = (2x \mod 1, T_{f(x)}(\omega))$. Like the $T, T^{-1}$ map, this is a random walk on a random scenery. The talk will focus on the proof that for $f$ satisfying a Hölder condition with $\int f = 0$ and $T_t$ a positive-entropy flow, the sequence of random variables arising from $\hat{T}_f$ is not standard. The proof follows the method used by Heicklen and Hoffman to prove that the $T, T^{-1}$ endomorphism is not standard.