1137-47-173 **Rajinder Mavi*** (mavi.maths@gmail.com), 619 Red Cedar Road, Wells Hall, MI 48824, and **Jeffrey Schenker**. *Anderson localization for a disordered polaron.*

We will consider an operator modeling a tracer particle on Z^d subject to an Anderson field, we associate a one dimensional oscillator to each site of the lattice. This forms a polaron model where the oscillators communicate only through the hopping of the tracer particle. This introduces, a priori, infinite degeneracies of bare energies at large distances. We nevertheless show Dynamical Localization of the tracer particle for compact subsets of the spectrum. This is joint work with Jeff Schenker. (Received February 02, 2018)