1096-70-600 **Rajinder Singh Mavi***, rsm8y@virginia.edu, and **Svetlana Jitomirskaya**. *Upper bounds on quantum dynamics for quasiperiodic Schrödinger operators with rough potentials.*

Delocalization in quantum systems is forced by (fractal) continuity of the spectral measure of the Hamiltonian, but the converse is not as complete as only partial dynamical localization can be enforced by fractal singularity of the spectrum. General conditions for upper bounds on quantum dynamics have been developed by various authors, notably by Killip, Kiselev and Last and Damanik and Tcheremchantsev. These authors also apply these results to the quasiperiodic Schrödinger equations with discrete and trigonometric potentials. As with most studies of the quasiperiodic Schrödinger operator, there are no complete results for rough potentials. Our focus in this talk is to discuss the situation for the rough potential as relates to dynamics and present results for partial and total dynamical localization. This talk covers joint work with Svetlana Jitomirskaya. (Received September 07, 2013)