Joel Dreibelbis (Rochester Institute of Technology). "The dynamical Mordell-Lang conjecture for linear maps."

Abstract: For a self-map f from S to S (one may take S to be g-tuples of complex numbers) and a point q in S, the orbit set of q under f is the set of points $\{q, f(q), f(f(q)), \dots\}$. What can be said about the intersection between the orbit set and a hypersurface H? Results will be discussed in the case where f is a linear map which culminates in a uniform bound for the dynamical Mordell-Lang conjecture for linear maps.