Kupka-Smale Theorem implies that, $C^r$-generically, each homoclinic orbit, if exists, is the transversal intersection of invariant manifolds. It is unknown that whether the homoclinic orbits exist $C^r$-generically. In this talk I will give a brief introduction of some recent progresses for surface diffeomorphisms, and describe the dynamical billiards on convex domains. Then we prove that $C^r$ generically, there exists some homoclinic orbit for every hyperbolic periodic point of the billiard system. This is a joint work with Zhihong Jeff Xia. (Received January 08, 2015)