1145-47-1662   **Rui Han**, **Svetlana Jitomirskaya** and **Fan Yang***, School of Math, Georgia Tech, 686 Cherry St., Atlanta, GA 30332. *Universal hierarchical structure of eigenfunctions of the Maryland model.*

We will talk about the universal hierarchical structure of eigenfunctions of the Maryland model: $(Hu)_n = u_{n+1} + u_{n-1} + \lambda \tan(\pi(\theta + n\alpha))u_n$. We will give exact exponential asymptotics of eigenfunctions for all frequencies and phases in the localization regime. This talk is based on a joint work with Rui Han and Svetlana Jitomirskaya. (Received September 23, 2018)