February 9: Wee Liang Gan (MIT), "Reflection functors for deformed wreath products of preprojective algebras."

Deformed preprojective algebras of quivers and their reflection functors were introduced by Crawley-Boevey and Holland. I will explain a generalization of their construction to deformed wreath products of preprojective algebras. For affine Dynkin quivers, these algebras are Morita equivalent to Symplectic reflection algebras of wreath product groups introduced by Etingof and Ginzburg. Using the reflection functors, one can construct irreducible representations for the Symplectic reflection algebras.