1131-16-60   **Xingting Wang*** (`xingting@temple.edu`), **Xianlan Yu** and **Yinhuo Zhang**. *Calabi-Yau property under monoidal Morita-Takeuchi equivalence.*

Two Hopf algebras are said to be Morita-Takeuchi equivalent if their comodule categories are tensor equivalent. In this talk, we will discuss homological properties of Hopf algebras that are invariant under Morita-Takeuchi equivalence. We will be focusing on the AS-Gorenstein condition and Calabi-Yau property which are enjoyed by a large family of well-known Hopf algebras or quantum groups. We will study these results in the framework of cogroupoids introduced by Bichon. This is a joint work with Xiaolan Yu and Yinhuo Zhang. (Received June 29, 2017)