

**Speaker:** Yujie Xu

**Title:** On Hecke algebras for  $p$ -adic groups and applications within the Langlands Program

**Abstract:** I will talk about several results on Hecke algebras attached to Bernstein blocks of reductive  $p$ -adic groups, within the arithmetic (classical or categorical) local Langlands program. If time permits, I will preview some applications to number theory.