

**Speaker:** Daniel Bump

**Title:** Whittaker Functions and Demazure Operators

**Abstract:** Whittaker functions are special functions on Lie groups or  $p$ -adic groups. In this talk we will consider Whittaker functions on  $p$ -adic groups over nonarchimedean local fields. We will show that the space of Whittaker functions fixed by an Iwahori subgroup may be described by a calculus of Demazure operators related to the geometry of the complex Flag manifold of the L-group. This is joint work with Ben Brubaker and Anthony Licata.