1165-22-134 **Changjian Su*** (changjiansu@gmail.com), Toronto, ON M5S 2E4, Canada, and **Leonardo C. Mihalcea**. *Whittaker functions from motivic Chern classes.* Preliminary report.

By the Casselman-Shalika formula, the spherical Whittaker function of a p-adic group is related to the character of an irreducible representation of the complex dual group, which is equal to the equivariant Euler characteristic of a line bundle on the dual flag variety. In this talk, we prove a similar formula for the Iwahori-Whittaker functions using motivic Chern classes for the dual flag varieties. This is based on joint work with Leonardo Mihalcea. (Received January 15, 2021)