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Laura Rider* (laurajoy@uga.edu), **Roman Bezrukavnikov**, **Dennis Gaitsgory**, **Ivan Mirkovic** and **Simon Riche**. *An Iwahori–Whittaker model for the Satake category*.

The geometric Satake equivalence gives a topological incarnation of the representation theory of a connected, reductive algebraic group over any field. This description uses so-called “spherical” perverse sheaves on the affine Grassmannian. In my talk, I’ll discuss an “Iwahori–Whittaker” model for this category. This model takes advantage of a cellular stratification of the affine Grassmannian, and as a result, allows for some nice applications of the equivalence. This work is joint with Roman Bezrukavnikov, Dennis Gaitsgory, Ivan Mirković, and Simon Riche. (Received August 16, 2018)