1126-22-200   **Laura Rider*** (`laurajoy@uga.edu`). *The centralizer of a regular nilpotent and tilting modules of a reductive group.* Preliminary report.

In this talk, I'll discuss the representation theory of a reductive group in positive characteristic with an emphasis on the role played by tilting modules. We will consider their restriction to the (graded) centralizer of a regular nilpotent, and two geometric constructions of this restriction functor: one via the geometric Satake equivalence and another employing exotic coherent sheaves on the Springer resolution. (Received January 13, 2017)