1131-22-374   **Laura Rider*** (`laurajoy@uga.edu`), Athens, GA 30601, and **Amber Russell**. *Formality for the nilpotent cone and the generalized Springer correspondence.* Preliminary report.

The Springer correspondence attaches to each irreducible representation of the Weyl group some geometric information (in the form of perverse sheaves) from the nilpotent cone. In my talk, I'll give a brief introduction to the Springer correspondence, and then explain mixed/derived versions of the correspondence. As time allows, I'll also discuss Lusztig's generalized Springer correspondence and recent progress towards mixed/derived versions of the generalized Springer correspondence. (Received July 18, 2017)