## 1125-55-437 **Daniel Ramras\*** (dramras@iupui.edu), 402 N. Blackford, LD 270, Indianapolis, IN 46202. Spaces of flat connections.

I'll discuss some results regarding spaces of flat connections on vector bundles over surfaces, and over the 3-dimensional Heisenberg manifold. The aim in this work is to understand the homotopy types of these spaces after stabilizing with respect to rank, by combing geometric methods with ideas from stable homotopy theory. (Received September 01, 2016)