## Texas Tech University - Department of Mathematics and Statistics Seminar in Applied Mathematics

## Hypergeometric functions in the p-adic setting

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Wednesday, October 29, 2014 Room: MATH 114. Time: 4:00pm.

**ABSTRACT.** Classical hypergeometric functions appear in many areas of mathematics and possess some interesting properties. In this talk, we will describe recent work on constructing an analogous function in the p-adic setting. We will discuss this function's application to counting points on algebraic varieties and its relationship with Fourier coefficients of modular forms.