

**Speaker:** Antoine Chambert-Loir

**Title:** Distribution of integral points on toric varieties

**Abstract:** Conjectures of Manin and Peyre predict the asymptotic distribution of points of bounded heights in Fano varieties. Although they admit counterexamples, they have been tremendously influential in the last 20 years and motivated a number of remarkable theorems. In this talk, I will discuss the analogous question of the distribution of integral points, a subject in number theory which is even more classical, and show how ideas related to the conjectures of Manin and Peyre enter the picture. I will give recent results for the case of toric varieties. This is joint work with Yuri Tschinkel.