Abstract:

In this talk, we will discuss the theory of twisted automorphic descents, which is an extension of the automorphic descent of Ginzburg-Rallis-Soudry.

The main goal is to construct cuspidate automorphic modules in the generic global Arthur packets by using Bessel-Fourier coefficients of automorphic representations.

Moreover, we will discuss some applications and problems related Bessel-Fourier coefficients. This is a joint work with Dihua Jiang.