Algebraic K-Theory Seminar

The genuine stabilization of a G-topos

Jay Shah (Notre Dame)

Abstract: Let G be a finite group and X a topos with homotopy coherent G-action. From this, we construct a stable homotopy theory $Sp^G(X)$ which recovers and extends the theory of genuine G-spectra. We explain what our construction yields when: (i) X is the topos of sheaves on a topological space with G-action (ii) X is the etale C_2-topos of a scheme S adjoined a square root of -1. We conclude with an application to realization functors out of the stable motivic homotopy category of a scheme. This is joint work with Elden Elmanto.

Wednesday, October 31 at 3:00 PM in 1227 SEO