

Topology Seminar

Jay Shah

of The University of Notre Dame will be speaking on

The genuine stabilization of a G-topos

on May 13 at 4:30 in
MIT Room 2-131

Let G be a finite group and X a topos with homotopy coherent G -action. 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 étale 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.