

Topology Seminar

Dev Sinha

of University of Oregon will be speaking on

Configuration spaces and homotopy theory.

on November 12 at 4:30 in
MIT Room 2-131

Carefully developing the homology and cohomology of ordered configuration spaces leads to a pretty model for the Lie cooperad. We use this model to unify the Quillen approach to rational homotopy theory with the theory of Hopf invariants. We will also share progress on a new approach to the cohomology of unordered configurations spaces (i.e. symmetric groups), which are of course relevant to homotopy theory at p .