Topology Seminar

Ricardo Andrade

of Stanford University will be speaking on

Filtered spaces and homology of E_n-algebras

on November 14 at 4:30 in
MIT Room 2-131

The topological chiral homology of E_n-algebras can be calculated using certain categories of configurations on manifolds. These are obtainable from a construction associating to each filtered space a category whose morphisms are paths which respect the filtration. In this context, Dwyer-Kan localizations arise from forgetting stages of the filtration. Such a result recovers elementary properties of chiral homology.