

Topology Seminar

Andrew Blumberg

of UT Austin will be speaking on

Progress towards $TC(\text{MU})$

on December 5 at 4:30 in
MIT Room 2-131

The algebraic K-theory of the complex cobordism spectrum is an object of basic interest, both because it provides an interesting example of K-theory of a non-classical ring and because it should shed light on $K(S)$. There is reason to believe that $K(\text{MU})$ should be approachable via trace methods, which focuses attention on understanding $\text{THH}(\text{MU})$ and $\text{TC}(\text{MU})$. This talk describes work in progress to describe the equivariant homotopy type of THH of a Thom spectrum as an equivariant Thom spectrum. The ingredients for this description include the Hill-Hopkins-Ravenel norm and a modernized view of equivariant infinite loop space theory. This is joint work with Angeltveit, Gerhardt, and Hill.