## **Topology** Seminar

## **Teena Gerhardt**

of Michigan State University will be speaking on

## Cyclotomic spectra and computations in algebraic K-theory

on March 7 at 4:30 in MIT Room 2-131

In this talk I will describe joint work with Vigleik Angeltveit, Mike Hill, and Ayelet Lindenstrauss, yielding new computations of algebraic K-theory groups. In particular, we consider the K-theory of truncated polynomial algebras in several variables. Techniques from equivariant stable homotopy theory are often key to algebraic K-theory computations. In this case we use n-cubes of cyclotomic spectra to compute the topological cyclic homology, and hence K-theory, of the rings in question.