

# Topology Seminar

**Mark Behrens**

of MIT will be speaking on

## On the $tmf$ -resolution

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

Mahowald used the  $bo$ -based Adams spectral sequence to compute the 2-primary  $v_1$ -periodic stable homotopy groups of spheres, and from this he deduced the  $v_1$ -periodic telescope conjecture for  $p = 2$ . I will discuss what I know about the  $tmf$ -resolution at  $p = 2$ , incorporating work of many collaborators over the years, most significantly Tyler Lawson, Kyle Ormsby, Vesna Stojanoska, and Nat Stapleton.