Topology Seminar

Andrew Senger

of Harvard University will be speaking on

Equivariant power operations and fixed points of Lubin-Tate theories

on March 6 at 4:30 in
MIT Room 2-131

Let E_n denote a height n Lubin-Tate theory, and let G denote a finite subgroup of its Morava stabilizer group. In this talk, I will describe a new approach to the computation of the homotopy fixed points spectral sequence of E_n^{hG}, based on equivariant power operations.

In particular, I will show how one may compute the homotopy of $E_n^{hC_2}$ completely from scratch—without the use of Real bordism MU_R or any other external input. I will conclude with some conjectures about the odd-primary case.