Topology Seminar

Sander Kupers

of Harvard University will be speaking on

Cellular E_2-algebras and homological stability

on November 13 at 4:30 in
MIT Room 2-131

We discuss joint work with Søren Galatius and Oscar Randal-Williams on the application of higher-algebraic techniques to classical questions about the homology of automorphism groups such as mapping class groups and general linear groups. This uses a new "multiplicative" approach to homological stability – in contrast to the "additive" one due to Quillen – which has the advantage of providing information outside of the stable range.