Topology Seminar

Eric Peterson

of Harvard University will be speaking on

Determinantal K-theory and a few applications

on November 9 at 4:30 in
MIT Room 2-131

Chromatic homotopy theory is a divide-and-conquer program for algebraic topology, where we study an approximating sequence of what we'd first assumed to be "easier" categories. These categories turn out to be very strangely behaved – and further appear to be equipped with intriguing and exciting connections to number theory. To give an appreciation for the subject, I'll describe the most basic of these strange behaviors, then I'll describe an ongoing project which addresses a small part of the "chromatic splitting conjecture".