Topology Seminar

Dan Isaksen

of Wayne State University will be speaking on

A tour of the Adams spectral sequence

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

I will present the results of a detailed computational analysis of the motivic and classical Adams spectral sequences at the prime 2. Some highlights include:

1) corrections to previously published results about stable homotopy groups beyond the 50-stem.

2) a brute force approach to the existence of the 62-dimensional Kervaire class.

3) a conjectural description of the homotopy groups of the eta-local motivic sphere.

4) an outline of a program to compute new stable stems by combining motivic Adams E2-term data with classical Adams-Novikov E2-term data.