Topology Seminar

Kathryn Lesh

of Union College will be speaking on

An interesting filtration of bu and an analogue of the Whitehead Conjecture

on November 24 at 4:30 in
MIT Room 2-131

I will discuss connections between the calculus of functors and the Whitehead Conjecture, both for the classical theorem of Kuhn and Priddy for symmetric powers of spheres and for the analogous conjecture in topological K-theory. It turns out that key constructions in Kuhn and Priddy's proof have bu-analogues, and there is a surprising connection to the stable rank filtration of algebraic K-theory.