Topology Seminar

Paul Arne Østvær

of University of Oslo will be speaking on

Motivic slices and the graded Witt ring

on September 17 at 4:30 in
MIT Room 2-131

We compute the motivic slices of hermitian K-theory and higher Witt-theory. The corresponding slice spectral sequences relate motivic cohomology to hermitian K-groups and Witt groups, respectively. Using this we compute the hermitian K-groups of number fields, and (re)prove Milnor's conjecture on quadratic forms for fields of characteristic different from 2. Joint work with Oliver Röndigs.