1064-55-211   **Hu Po** (`po@math.wayne.edu`), Department of Mathematics, Wayne State University, Detroit, MI 48202, and **Igor Kriz*** (`ikriz@umich.edu`), Department of Mathematics, University of MIchigan, Ann Arbor, MI 48109-1043. *Topological Hermitian cobordism and related topics.*

Landweber's Real cobordism MR and finite group actions on related spectra is one of the most interesting current topics of homotopy theory because of the recent solution of the Kervaire invariant 1 problem by Hill, Hopkins and Ravenel, which used a Z/8-equivariant spectrum of this type. I will talk about topological Hermitian cobordism, which is a Z/2 x Z/2-equivariant enrichment of MR. I will discuss our results on this spectrum, pushing further our original calculation of the coefficients of MR. I will also discuss some related topics, in particular Mackey functors. (Received September 09, 2010)