

**Meeting:** 1005, Newark, Delaware, SS 1A, Special Session on Homotopy Theory (in Honor of Donald M. Davis's and Martin Bendersky's 60th Birthdays)

1005-55-144      **James P Lin\*** (jimlin@math.ucsd.edu), Dept of Mathematics, University of California at San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0112. *Mod p Homology of H-spaces*. Preliminary report.

Let  $X$  be a homotopy associative  $H$ -space. The primitives of the mod  $p$  homology of  $X$  is a restricted Lie algebra over the Steenrod algebra. In this talk, we describe various methods for producing commutators and  $p$ -th powers in the mod  $p$  homology of an  $H$ -space. (Received February 07, 2005)