Meeting: 1004, Bowling Green, Kentucky, SS 11A, Special Session on Commutative Ring Theory

1004-13-128 **Frank DeMeyer** and **Lisa DeMeyer*** (demey1la@cmich.edu), Pearce Hall 214, Department of Mathematics, Central Michigan University, Mount Pleasant, MI 48858. *Zero divisor graphs of semigroups.*

The zero divisor graph of a commutative semigroup with zero is a graph whose vertices are the nonzero zero divisors of the semigroup with two distinct vertices joined by an edge in case their product is zero. We give a survey of recent results including the extension to a simplicial complex and the coloring of a semilattice. (Received January 21, 2005)