1067-Z1-1019   **Michael J Bardzell*** (`mjbardzell@salisbury.edu`), Dept. Math and CS, Salisbury University, Salisbury, MD 21801. *Building a Noncommutative Ring from a Finite Directed Graph.* Preliminary report.

In this talk we will describe an interesting class of noncommutative rings which can be constructed using finite directed graphs. This construction also creates a vector space. These structures provide undergraduate students connections between ring theory and graph theory and, among other things, allow them to see a ring unity element that looks quite different from the ones they are accustomed to using. (Received September 17, 2010)