1135-I5-614 **Angelica Gonzalez*** (agonzalez@math.arizona.edu), Dept. of Mathematics, University of Arizona, 617 N. Santa Rita Ave., P.O. Box 210089, Tucson, AZ 85721-0089. *A Random Graph Model Related to One Face Maps.* Preliminary report.

Expander graphs, which are simultaneously sparse yet highly connected and robust, have many mathematical, computational, and physical applications. It has been shown that random d-regular graphs are likely to be expander graphs. In this talk we will consider a random class of graphs that is directly related to one-face maps. We will discuss how this class embodies many of the aspects of regular graphs that are optimal from the perspective of expansion. (Received September 10, 2017)