1016-52-133 **Matthew T. Stamps*** (`stampsm@student.gvsu.edu`), 8008 Birchwood Ave., Jenison, MI 49428.
Circle Packing and Penrose Tiling. Preliminary report.

A circle packing is a configuration of circles with prescribed tangencies corresponding to a given triangulation. The Penrose tiles offer a unique and natural triangulation of the Euclidean plane. This presentation will describe the circle packings that arise from such triangulations from a geometric and combinatorial point of view and raise some open questions in the more recently studied topic of Circle Packing. (Received February 08, 2006)