1094-30-333 **Vyron Sarantis Vellis*** (vellis1@illinois.edu), 1409 West Green Street, Urbana, IL 61801, and **Jang-Mei Wu**. *Quasisymmetric Spheres constructed over Quasidisks.*

In this talk we will provide some concrete examples of quasispheres and quasisymmetric spheres. We present two different constructions of surfaces in $\mathbb{R}^3$ constructed over planar quasidisks Ω. In the first construction, the surface is the graph of a function of $\text{dist}(\cdot, \partial\Omega)$. In the second, the level sets of the height of the surface are images of $\{r\mathbb{S}^1\}_{r<1}$ under a quasiconformal function that maps the unit disk onto Ω.

We examine the properties of the quasidisks and that of the height functions under which these surfaces are either quasispheres or quasisymmetric equivalent to $\mathbb{S}^2$. (Joint work with J.-M. Wu). (Received August 27, 2013)