 Topology Seminar at Texas State

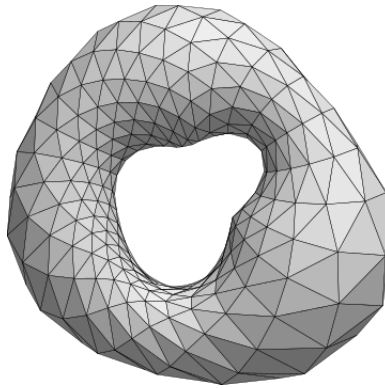
When: Friday, Sep. 23, 2022, 12:00 noon–1:20 p.m.

Where: DERR 333, (Zoom info at bottom of page)

Speaker: David F. Snyder

Title/Topic: Homology manifolds, morally, are manifolds.

Abstract: Suppose we have a compact polyhedron P of dimension $n \geq 4$ that has the local homology of an n -manifold, *i.e.* $H_i(P, P-p; \mathbb{Z}) \cong H_i(\mathbb{R}^n, \mathbb{R}^n - 0; \mathbb{Z})$ for all $i \geq 0$. We'll discuss why P is essentially an n -manifold, after resolving singularities of vertices and of simplices with links having codimension 4. We'll discuss how this fits into Kneser's question of which manifolds are triangulable.



Zoom Information

Meeting URL (clickable):

<https://txstate.zoom.us/j/97703903382?pwd=S2JwanRRbjZlU0s1UW9JcTJyNjA5QT09>

Meeting ID: 977 0390 3382

Password: manifolds