BI-CO MATHEMATICS COLLOQUIUM

Dr. Marissa Loving

University of Wisconsin-Madison

"From Dimension 2 to 3 and Back Again"

Monday, November 13, 2023
Talk at 4:30 PM – Park 338
Reception at 4:15 PM – Park 361, Math Lounge

Abstract:
In this talk I'll begin by telling a little bit of Thurston's beautiful story connecting the dynamics of *finite-type surface* homeomorphisms with the geometry of 3-manifolds. I will then share some more recent work of myself and others which connect the dynamics of *infinite-type surface* homeomorphisms with the geometry of 3-manifolds. My aim is for the talk to be accessible to a broad audience with many illustrations to help us build our intuition without getting too far into the technical weeds.

BRYN MAWR COLLEGE