Thursday 4/6 at 1.30pm in room 313

Speaker: Nezhla Aghaei

Title: Towards super Teichmuller spin Osp(1|2) TQFT

Abstract: The quantization of the Teichmuller theory has led to the formulation of the so-called Teichmuller TQFT for 3-manifolds. I show the concrete expressions for the partition functions of the super Teichmuller spin TQFT for a class of spin 3-manifold geometries, by taking advantage of the recent results on the quantization of the super Teichmüller theory and super pentagon relation and motivate it from different topics in mathematical physics such as AGT correspondence and integrability.