

Speaker: Nathalie Wahl

Title: Homotopy invariance in string topology

Abstract: The string topology product and coproduct are both lifts to the loop space of the intersection product in the homology of manifolds. In joint work with Nancy Hingston, we show that the string coproduct, just like the string product and intersection product, is homotopy invariant. In the talk, I'll recall/describe these three operations, explain how they are related, and give some ingredients of proofs.