



Speaker: Christopher Schommer-Pries
Max Planck Institute for Mathematics, Bonn

Tuesday, January 26, 2016

4:00 PM

127 Hayes-Healy Hall

Title: Topological Field Theories

Abstract:

Topological field theories provide a rich source of interaction between many fields of mathematics, especially between algebraic structures and the geometry and topology of manifolds. In this talk we will introduce topological field theories and discuss some of these interactions. We will end by discussing some recent classification results in dimension three, based on higher Morse theoretic techniques.