

## ***TOPOLOGY SEMINAR***

**Guest Speaker: Konstantin Wernli**  
**University of Notre Dame**

***Date:*** Tuesday, December 10, 2019

***Time:*** 2:30 PM

***Location:*** 258 Hurley Hall



***Lecture Title:***

**Formal geometry and nonlinear Sigma models**

***Abstract***

I will explain how to use formal geometry as introduced by Gelfand, Khazdan and Bott to define the partition function of certain topological nonlinear Sigma models on manifolds with boundary. I will also explain how this (conjecturally) relates to the graph complexes modeling configuration spaces defined by T. Willwacher and collaborators. This joint work with A. Cattaneo and N. Moshayedi.