



Contribution ID: 12

Type: **not specified**

## Poincare duality and TQFT structures for loop spaces

*Wednesday, August 31, 2022 10:10 AM (50 minutes)*

This talk is about ongoing joint work with Nancy Hingston and Alexandru Oancea.

I will explain how various puzzles in string topology get resolved in terms of symplectic geometry: Loop space homology and cohomology are merged into a larger space, Rabinowitz Floer homology, which carries the structure of a graded TQFT and satisfies Poincare duality.

**Presenter:** CIELIEBAK, Kai (Augsburg)