



## Topology Seminar at Texas State

When: Tuesday, 2019, October 1, 12:30-1:50 p.m.

Where: ENC 230

Speaker: Dr. Hiro Lee Tanaka

**Topic:** More on Stacks,  
Lagrangian Floer Theory,  
Fukaya Categories,  
Mirror Symmetry for Motivation

### ABSTRACT

We'll talk more about Fukaya categories and stacks. We may touch on mirror symmetry again as motivation, and perhaps give an example of mirror symmetry. If all goes well, by the end of this lecture, we'll see a definition of a Fukaya category, and see why a stack of broken lines can help define Lagrangian Floer theory for a pair of Lagrangians.