



**Topology Seminar at Texas State**

**Speaker:** Dr. Hiro Lee Tanaka

**Title:** Operads IV (of IV)

**When:** Friday, Apr. 15, 11:00 a.m.– 11:50 a.m.

**Where:** Online. Zoom info at bottom of page.

**Abstract**

Operads arose in algebraic topology as a way to capture the algebraic structures appearing in loop spaces. Deeper than the idea of operads is the idea that algebra and topology are inseparable, and that mother nature provides structures in each field that beg for the language of the other. In these four lectures—which are a dry run of a mini-course I am giving this summer—I’d like to introduce some of the mathematical contexts in which operads shine, give examples of operads and their applications, and tie these to phenomena arising in Lagrangian Floer theory.

**Zoom Information**

**Meeting URL:** [Click here.](#)

**Meeting ID:** 922 5921 7572

**Password:** manifolds