## Homotopy Algebras Seminar

### A modular operad of embedded curves

Jesse Wolfson (University of Chicago)

**Abstract:** Operads govern algebraic structures. Modular operads were introduced by Getzler and Kapranov to formalize the algebra of gluing stable marked curves. With Satoshi Kondo and Charlies Siegel, we construct a natural gluing of pluri-log-canonically embedded marked curves, and we show that these gluing operations fit together to give a modular operad of embedded curves.

Friday, April 17 at 1:00 PM in SEO 1227