

CHROMATIC HOMOTOPY, K -THEORY AND FUNCTORS

CIRM, LUMINY, 23-27.01.2023

FRIDAY 10:10 – 11:10, **Anna Marie Bohmann** (Vanderbilt University):

Assembly in the Algebraic K -theory of Lawvere Theories.

Lawvere's algebraic theories are an elegant and flexible way of encoding algebraic structures, ranging from group actions on sets to modules over rings and beyond. We discuss a construction of the algebraic K -theory of such theories that generalizes the algebraic K -theory of a ring and show that this construction allows us to build Loday assembly-style maps.

This is joint work with Markus Szymik.