

## Midwest Topology Seminar

*An algebraic model for commutative HZ-algebras*

Birgit Richter (Universität Hamburg)

**Abstract:** This is a report on joint work with Brooke Shipley. We show that there is a chain of Quillen equivalences between the model categories of commutative HZ-algebra spectra and  $E_\infty$ -monoids in unbounded chain complexes. We also provide a Quillen equivalence with commutative  $I$ -chain complexes where  $I$  is the category of finite sets and injective maps. I'll explain the equivalences and, if time permits, discuss some examples.

Saturday, February 28 at 10:00 AM in Lecture Center F, Room 4