

# Topology Seminar

**Martin Gallauer Alves de Souza**

of University of California, Los Angeles will be speaking on

## Traces and homotopy colimits

on September 14 at 4:30 in  
MIT Room 2-131

J.P. May proved that traces in stable monoidal homotopy categories are additive in cofiber sequences. It is then natural to ask about the interaction of traces and homotopy colimits in general. In this talk we will give an answer for homotopy colimits indexed over EI-categories. The proof involves generalizing the notion of trace from the realm of categories to derivators. It will be sketched if time permits.