1138-55-192   **Kate Ponto*** (`kate.ponto@uky.edu`), 715 Patterson Office Tower, Lexington, KY 40508. *Fixed point theory and topological Hochschild homology.*

While not the classical perspective, we now recognize that important topological fixed point invariants take values in topological Hochschild homology. This suggests new approaches to fixed point theory using powerful tools from trace methods in algebraic K-theory. In particular we can use these ideas to define refinements of familiar invariants that may carry richer topological information.

In this talk I will focus on the connection between the Reidemeister trace and the corresponding trace from algebraic K-theory and THH. (Received February 09, 2018)