1125-14-646 **Sean F Ballentine**, **Rebecca Black*** (`rblack1@math.umd.edu`), **Ariella Kirsch**, **Adam Lizzi** and **Robert Maschal**. *Locally Recoverable Trace Codes.* Preliminary report.

The field of locally recoverable codes (LRC codes) comes from the application of coding theory to cloud and distributed storage systems. Constructions from algebraic geometry have contributed many interesting classes of such codes using curves over finite fields, often times not a prime field. This talk will explore the preservation of recoverability of these codes when the trace map is applied to the codes generated from some of the algebraic geometry constructions. (Received September 08, 2016)