1171-14-121 **Aidan W. Murphy*** (awmurphy@vt.edu), 460 McBryde Hall, 225 Stanger St., Blacksburg, VA 24060, and **Gretchen L. Matthews** (gmatthews@vt.edu). *Norm-trace-lifted codes.*

It is useful for codes to be able to correct errors and recover erasures by accessing less information than classical codes allow. Codes with locality are designed for this purpose. Such codes are said to have locality r and availability t if each codeword symbol can be recovered from t disjoint sets of r other symbols. The Hermitian-lifted code construction provides codes from the Hermitian curve over $mathbbF_{q^2}$ which have the same locality and availability as one-point Hermitian codes, but the Hermitian-lifted codes have a rate bounded below by a constant independent of the field size. In this talk, we consider this technique applied to codes from norm-trace curves, which are a generalization of the Hermitian curve. (Received August 09, 2021)