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Daniele Rosso* (drosso@iu.edu) and **Alistair Savage**. *Affine Frobenius Hecke Algebras*.

We study the structure and representation theory of affine Frobenius Hecke algebras and their cyclotomic quotients. These algebras are quantum deformations of the affine wreath product algebras studied by the second author and appear naturally in the context of Heisenberg categorification. Special cases include affine Hecke algebras and Yokonuma-Hecke algebras. (Received August 22, 2018)