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Sarah Chisholm, Alyson Deines and Ling Long* (11637@cornell.edu), 408 Malott Hall, Cornell University, Ithaca, NY 14850, and **Gabriele Nebe and Holly Swisher**. *Ramanujan-type Supercongruences and complex multiplications on elliptic curves*.

In Ramanujan's work on modular equations and approximation to π , he gave a list of formulas for $1/\pi$ in terms of values of special hypergeometric series. It is discovered by van Hamme and later formulated more explicitly by Zudilin that the corresponding truncated hypergeometric series satisfy surprising congruence properties. In this talk, we will discuss some recent progress regarding these so-called Ramanujan-type Supercongruences via the arithmetic of complex multiplications on elliptic curves. (Received August 27, 2012)